

A Guide to Legislation Affecting Mining in Ontario

Mineral Policy Background Paper No. 18

August 1984

Prepared by
Currie, Coopers & Lybrand
for Mineral Resources Branch



Ontario

Ministry of
Natural
Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

85-48057

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67200.

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and payment must accompany order.

NOTE:

This guide provides an overview of the legal requirements facing a mining company operating in Ontario. However, the final authorities are the relevant statutes or regulations. Any opinions expressed in the report are not necessarily the viewpoint of the Government of Ontario.

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1. INTRODUCTION

1.1 INTRODUCTION TO THE GUIDE

This document, which is the second edition of the Guide to Legislation Affecting Mining in Ontario, was prepared by John Campbell and Brent Snell of Currie, Coopers & Lybrand and was commissioned by the Mineral Resources Branch of the Ontario Ministry of Natural Resources.¹ The Guide is the end result of a lengthy process involving an extensive review of federal and provincial statutes, guidelines and regulations, as well as consultation with all relevant government agencies.

¹ The first edition of the Guide, Mineral Policy Background Paper No. 9, was produced in 1979 by the Environmental Applications Group Ltd.

REFERENCE	SECTION	PAGE
	1.2	2

1.2 PURPOSE OF THE GUIDE

The Guide is designed to familiarize government agencies, mining companies, and other organizations and individuals with the legislative environment of the mining industry in Ontario. It serves as a reference guide to provide an overview of the legal requirements facing a mining company. For detailed description of a requirement, the reader should contact the relevant agency or individual listed, or refer to the statutes and regulations directly.

The Guide has been prepared to fulfil the following specific objectives:

- to provide a clear and concise reference guide to relevant legislation;
- to permit easy reference to the statutes which have an impact on selected key issues;
- to provide a description of the statutes and requirements of each relevant Ministry, Department or Agency;
- to describe the legal requirements as they affect each phase of mining activity and development;
- to present, where appropriate, an overview of impending changes to mine-related legislation; and
- to provide lists of key positions and agencies to contact for further information regarding specific requirements.

REFERENCE	SECTION	PAGE
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1.3 STRUCTURE OF THE GUIDE

The Guide is structured so that the reader can reference statutes and requirements in several different ways:

... by topic

- o Section 2, "Key Topics", lists the statutes, responsible agencies and key contacts for several key issues of concern to mining companies,
- o the index at the end of the Guide is a comprehensive cross reference to the entire Guide.

... by Ministry, Department or Agency

- o Section 3 lists the key positions and offices of each relevant Ministry, Department or Agency,
- o Sections 4 and 5 provide an overview of provincial and federal mine-related statutes for each relevant Ministry or Agency.

... by mine phase

- o Section 6 is organized to review the licences, approvals and other requirements affecting a mining company during each phase of development of a mine.

REFERENCE	SECTION	PAGE
	1.4	4

1.4 INTRODUCTION TO LEGAL CONCEPTS

Before any statute has the force of law it must be passed by the appropriate law-making body and receive Royal Assent. At the provincial level, statutes are passed by the Legislature. At the federal level, statutes are passed by the House of Commons and the Senate.

In addition to passage by the Legislature and Royal Assent, many statutes must also be proclaimed. Proclamation is a decree issued by the Lieutenant-Governor in Council at the provincial level, or the Governor in Council at the federal level. The Governor in Council is a legal term for the Cabinet. Therefore, any statute which must be proclaimed only becomes law when the Cabinet so orders. In this Guide, all statutes are proclaimed unless otherwise noted.

It is common for a statute to delegate law-making authority to a certain body - usually the Cabinet, but often a Minister or government agency. A statute often deals with a particular matter in general terms and gives the Cabinet power to stipulate specific technical provisions, known as regulations. Regulations are brought into force through an Order in Council, which does not require passage by the Legislature or House of Commons. This arrangement facilitates quick legislative action on technical subjects when the Legislature lacks the time or expertise to deal with them effectively or efficiently. The process may be susceptible to abuse because the Legislature delegates law-making authority for wide-ranging problems and the laws are made in the absence of discussion or debate.

In some cases, notably federal, the legislation serves little or no purpose because the statute provides Cabinet with the power to make regulations yet no such regulations have been made (for example, the Canada Water Act and Gold Export Act).

While a regulation is a specific law that applies to all relevant situations, a guideline is not a specific law. A guideline is a statement indicating the practices which are considered to be in compliance with the spirit of the law.

Regulations and guidelines may be either administrative or technical in subject matter.

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1.5 DIVISION OF POWERS CONCERNING MINING

The British North America Act is the main document on which the Canadian constitution is based. It divides legislative power in Canada between the federal and provincial governments. The primary purpose of the Act is to set out the general and specific subjects over which the federal government, on the one hand, and provincial governments on the other, have legislative authority.

Section 109 of the B.N.A. Act gives full control over mineral resources within provincial boundaries to the government of the province (the Yukon Territory and Northwest Territories are exceptions to this rule). Thus, the laws and regulations applicable to direct control over mineral resources in Ontario are those of the provincial government. These include controls over the disposition of mineral rights (Mining Act), conservation measures (Forest Fires Prevention Act, Provincial Parks Act, etc.), mineral taxation and royalties (Mining Tax Act), and operating and safety rules (Occupational Health and Safety Act).

The federal government exercises control over direct foreign investment (Foreign Investment Review Act), uranium and thorium mining (Atomic Energy Control Act), minerals on Indian Reserves (Indian Act), and exports (Gold Export Act).

Management of the environment is a complicated issue. The division of powers between the federal and provincial governments is not clear. Consequently, there is overlapping of legislative authority and a mining company becomes subject to control by both provincial statutes (Environmental Protection Act, for example) and federal statutes (Fisheries Act, for example). Federal environmental controls often apply as baseline standards for provincial standards. In most cases, the provincial government sets and administers its own controls which, as in the case of Ontario, may be more stringent.

Municipal governments exercise some control over mining activities, primarily quarrying, through the Planning Act. However, it should be noted that municipal governments are creatures of the provincial governments and are totally dependent upon the provincial government for legislative power. Therefore, such powers can never exceed the powers of the province.

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2. KEY TOPICS

This chapter is designed to provide the reader with a quick and easy reference to the statutes which relate to several common issues and problems. The charts on the following pages are organized into the following major topic areas:

(1) Administration

- taxes
- licences
- statistical returns

(2) Mine Types

- pits and quarries
- uranium and thorium

(3) Environmental Concerns

- emission standards
- effluent limits
- noise pollution

(4) Health and Safety

- employee safety
- sanitary standards

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(5) Construction and Operations

- machinery and equipment
- site improvements and construction

(6) Restricted Areas

- Indian lands
- forests and parks
- beaches and food land

For each topic category, the reader can discover which statutes are relevant, the relative importance of each statute, the government agency responsible for the statute and a key contact person. And finally, the charts are cross-referenced with the entire Guide so that the reader who needs more detail can easily find it.

KEY TOPICS

	TOPIC	STATUTE	RELEVANCE	GENERAL DESCRIPTION
2.1	ADMINISTRATION	Mining Act	high	requires annual licences, recording of claims, assessment work and annual statistical returns
		Mining Tax Act	high	- imposes taxes on mining companies - requires notices of operational abandonment
		Securities Act	medium-high	provides a framework prescribing disclosure requirements, prospectus standards, insider trading rules and take-over rules
		Ontario Mineral Exploration Program	medium	- incentives are offered to non-producing companies for mineral exploration - proponents are required to
		Foreign Investment Review Act	medium-low	control and regulation of investment in Canada
		Assessment Act	medium	mining companies are assessed business assessment, an amount equal to 60% of the assessed value of the land
		Provincial Land Tax Act	medium	assessment and taxation in unorganized areas
2.2	SPECIAL CATEGORIES -PITS AND QUARRIES	Pits and Quarries Control Act	high	- controls the operation of quarries on <u>private land</u> - licence required for operation - provides for rehabilitation of mine
		Mining Act	high	controls the operation of quarries on <u>Crown land</u>
		Planning Act	medium-high	- provides for municipal planning and by-laws - no licence for a pit or quarry will be issued for a project that contravenes local by-laws
		Food Land Guidelines Policy	medium-low	controls aggregate extraction of special crop lands
	-URANIUM AND THORIUM	Atomic Energy Control Act	high	- controls the mining, processing, development and sale of uranium and thorium - permits and approvals required for exploration, development, removal and operations

REFERENCE	SECTION	PAGE
	2.1.2.2	9

FUNCTION	AGENCY	CONTACT		CROSS REFERENCE (Page No.)
		TITLE	ADDRESS	
ment	Ontario Ministry of Natural Resources	Supervisor Mineral Statistics Section (416) 965-0211	4th Floor 99 Wellesley St. W. Toronto M7A 1W3	117
panies on and	Ontario Ministry of Natural Resources	Mine Assessor Mineral Resources Branch (416) 965 9755	Room 4649 99 Wellesley St. W. Toronto M7A 1W3	123
thing e bid	Ontario Ministry of Consumer and Commercial Relations	Deputy Director Corporate Finance Branch (416) 963-0239	Ontario Securities Commission 20 Queen Street West Toronto M5H 3S8	81
upply	Ontario Ministry of Natural Resources	OMEP Administrator Mineral Resources Branch (416) 965-1062	Room 4649 99 Wellesley St. W. M7A 1W3	125
oreign	Foreign Investment Review Agency	Commissioner FIRA (613) 996-2728	P.O. Box 2800 Station "D" Ottawa K1P 6A5	167
ed, for unt d value	Ontario Ministry of Revenue	Legislation and Policy Officer Assessment Policies and Priorities Branch (416) 433-5748	33 King St. West Oshawa L1H 8H5	137
	Ontario Ministry of Revenue	Legislation and Policy Officer Assessment Policies and Priorities Branch (416) 433-5748	33 King St. West Oshawa L1H 8H5	139
ts and on	Ontario Ministry of Natural Resources	Advisor, Aggregate Enforcement Policy Industrial Minerals Section (416) 965-3128	4th Floor, Room 4646 99 Wellesley St. W. Toronto M7A 1W3	127
ts and	Ontario Ministry of Natural Resources	Supervisor Mining Lands Section (416) 965-1380	6th Floor, Room 6451 99 Wellesley St. W. Toronto M7A 1W3	117
ing ry which	Ontario Ministry of Municipal Affairs and Housing	Manager, Policy Section Local Planning and Policy Section (416) 965-3177	13th Floor 777 Bay Street Toronto M5G 2E5	99
on on	Ontario Ministry of Agriculture and Food	Director Food Land Preservation and Improvement Branch (416) 965-9433	8th Floor 801 Bay Street Toronto M7A 2B2	71
ing, atum ed for e	Atomic Energy Control Board	Manager Uranium Mines Division AECB (613) 995-3181	P.O. Box 1046 Ottawa K1P 5S9	151

KEY TOPICS

	TOPIC	STATUTE	RELEVANCE	GENERAL DESCRIPTION
2.3	ENVIRONMENTAL CONCERNS	Environmental Protection Act	high	- establishes emission standards - regulates waste disposal systems - air pollution control systems - sets noise guidelines
		Ontario Water Resources Act	high	- water management guidelines - regulates water wells, water works and sewage works
		Fisheries Act	high	- to protect aquatic life from discharge of deleterious substances from mines - regulates effluents, including tailings
		Clean Air Act	medium	sets minimum emission standards for provinces to follow
		Environmental Assessment Act	low	certain projects (primarily in the private sector) require an assessment of impact on environment of project
		Endangered Species	low	to protect species of flora and fauna threatened with extinction
		Game and Fish Act	low	to protect the habitat of fur-bearing animals and game
2.4	HEALTH AND SAFETY	Occupational Health and Safety Act	high	- employers have many responsibilities pertaining to health and safety in the workplace - specific regulations for mining industry
		Workers' Compensation Act	high	- deals with accidents and disabilities - employers must contribute to compensation fund - specific regulations for mining industry - compulsory membership in Mining Accident Prevention Association
		Health Protection and Promotion Act	high	concerned with health and safety standards of mining camps

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	AGENCY	CONTACT		CROSS REFERENCE (Page No.)
		TITLE	ADDRESS	
ds ea and s	Ontario Ministry of the Environment	Director MOE Regional Office		85
	Ontario Ministry of the Environment	Director Water Resources Branch (416) 965-6141	4th Floor 1 St. Clair Ave. W. Toronto M4V 1K6	87
g	Environment Canada	Director Ontario Regional Headquarters (416) 966-5624	25 St. Clair Ave. E. Toronto M4T 1M2	161
ds	Environment Canada	Director Ontario Regional Headquarters (416) 966-5624	25 St. Clair Ave. E. Toronto M4T 1M2	159
ublic of osed	Ontario Ministry of the Environment	Director Environmental Assessment Branch	7th Floor 1 St. Clair Ave. W. Toronto M4V 1P5	83
r lon	Ontario Ministry of Natural Resources	Director Wildlife Branch (416) 965-4252	Room 2320 99 Wellesley St. W. Toronto M7A 1W3	107
birds	Ontario Ministry of Natural Resources	Director Wildlife Branch (416) 965-4252	Room 2320 99 Wellesley St. W. Toronto M7A 1W3	111
o place g	Ontario Ministry of Labour	Director Mining Health and Safety Branch (416) 965-1328	7th Floor 400 University Ave. Toronto M7A 1T7	93
und g g n	Ontario Ministry of Labour	Secretary Workers' Compensation Board (416) 927-4006	20th Floor 2 Bloor Street East Toronto M4C 3C3	97
tary	Ontario Ministry of Health	Senior Consultant Public Health Inspect. Public Health Branch (416) 961-2234	5th Floor 15 Overlea Blvd. Toronto M4H 1A9	91

KEY TOPICS

	TOPIC	STATUTE	RELEVANCE	GENERAL DES
2.5	CONSTRUCTION AND OPERATIONS			
	-MACHINERY AND EQUIPMENT	Boilers and Pressure Vessels Act	medium	controls the design, installation, operation and maintenance of pressure vessels
		Gasoline Handling Act	medium	provides for regulation of the transportation of gasoline
		Energy Act	medium	provides for regulation of the installation and operation of hydrocarbon facilities
		Operating Engineers Act	low	provides for regulation of power plants, refrigeration and temporary heating
	-SITE IMPROVEMENTS AND CONSTRUCTION	Planning Act	medium-low	has some overlapping with building construction including mobile homes
		Drainage Act	low	drains affecting two parties require approval
		Bridges Act	low	plans for bridges require approval
		Lakes and Rivers Improvement Act	low	approvals are required for construction of dam improvements
2.6	RESTRICTED AREAS	Indian Act	medium-high	regulates access to and development of resources on these lands
		Forest Fires Prevention Act	medium	regulates outdoor fire and work in fire risk areas
		Beach Protection Act	medium-low	regulates the removal of beach material
		Provincial Parks Act	medium-low	except in special cases mining activities are prohibited in provincial parks
		Food Land Guidelines Policy	medium-low	conditions are established for aggregate extraction in crop areas
		Historical Parks Act	low	mining activities are prohibited in Ontario's two historical parks
		Wilderness Areas Act	low	public lands set aside for preservation of natural heritage

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	2.5.2.6	13

DESCRIPTION	AGENCY	CONTACT		CROSS REFERENCE (Page No.)
		TITLE	ADDRESS	
construction, on and repair	Ontario Ministry of Consumer and Commercial Relations	Director Pressure Vessels Safety Branch (416) 239-7796	3rd Floor 3300 Bloor St. W. Toronto M8X 2X4	73
ons governing and storage of	Ontario Ministry of Consumer and Commercial Relations	Director Fuels Safety Branch (416) 239-1270	4th Floor 3300 Bloor St. W. Toronto M8X 2X4	77
ons governing operation of es	Ontario Ministry of Consumer and Commercial Relations	Director Fuels Safety Branch (416) 239-1270	4th Floor 3300 Bloor St. W. Toronto M8X 2X4	75
ons governing eration plants plants	Ontario Ministry of Consumer and Commercial Relations	Director Pressure Vessels Safety Branch (416) 239-7796	3rd Floor 3300 Bloor St. W. Toronto M8X 2X4	79
authority on and land use es	Ontario Ministry of Municipal Affairs and Housing	Manager Policy Section Local Planning and Policy Branch (416) 239-7796	13th Floor 777 Bay Street Toronto M5G 2E5	99
or more oval	Ontario Ministry of Agriculture and Food	Drainage Coordinator Foodland Preservation and Improvements Div. (416) 965-9921	8th Floor 801 Bay Street Toronto M5S 1S1	69
Crown land	Ontario Ministry of Transportation and Communications	Head, Approvals Sec. Highway Engineering Division (416) 965-9921	1201 Wilson Avenue Central Building Downsview M3M 1J8	143
d for or other	Ontario Ministry of Natural Resources	Director Conservation Authorities and Water Management Branch (416) 965-3128	Room 562 99 Wellesley St. W. Toronto M7A 1W3	115
ndian lands neral lands	Department of Indian and Northern Affairs	Director Indian Minerals (East) (416) 369-4622	Suite 302 1 Front Street West Toronto M5J 1A4	169
es, travel ons	Ontario Ministry of Natural Resources	Planning and Mgmt. Coordinator Aviation and Fire Management Centre (705) 942-1800	P.O. Box 310 55 Church Street Sault Ste. Marie P6A 5L8	109
of sand from	Ontario Ministry of Natural Resources	District Manager MNR District Office		101
cumstances, prohibited	Ontario Ministry of Natural Resources	Manager, Planning Sec. Parks and Recreational Areas Branch (416) 965-3981	3rd. Floor, Rm. 3342 99 Wellesley St. W. Toronto M7A 1W3	131
ished for on specialty	Ontario Ministry of Agriculture and Food	Director Foodland Preservation and Improvement Div. (416) 965-9433	8th Floor 801 Bay Street Toronto M7A 2B2	71
prohibited orical parks	Ontario Ministry of Tourism and Recreation	Legal Branch (416) 965-5793	1200 Bay Street Toronto M5R 2A5	141
e for al state	Ontario Ministry of Natural Resources	Manager, Planning Sec. Parks & Recreation Areas Branch (416) 965-3981	3rd. Floor, Rm 3342 99 Wellesley St. W. Toronto M7A 1W3	135

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3. KEY CONTACTS

This chapter provides a comprehensive listing of the key contact positions within the relevant Ministries, Departments or Agencies of the provincial and federal governments. The address and telephone number are listed for Ministers and Deputy Ministers. As well, a contact is provided for each of the relevant statutes.

Lists of regional or district offices are presented for the Ministries of Environment, Health, Labour and Natural Resources.

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PROVINCIAL CONTACTS

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11th Floor
801 Bay Street
Toronto, Ontario
M5S 1S1
(416) 965-1041

Minister

11th Floor
801 Bay Street
Toronto, Ontario
M5S 1S1
(416) 965-1044

**Deputy
Minister**

Drainage Coordinator
Food Land Preservation and Improvements Division
Capital Improvements Branch
8th Floor
801 Bay Street
Toronto, Ontario
M5S 1S1
(416) 965-9921

**Drainage
Act**

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Ontario

Ministry of
Consumer and
Commercial
Relations

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9th Floor
555 Yonge Street
Toronto, Ontario
M7A 2H6
(416) 963-0311

Minister

9th Floor
555 Yonge Street
Toronto, Ontario
M7A 2H6
(416) 963-0316

Deputy
Minister

Director
Fuels Safety Branch
Technical Standards Division
4th Floor
3300 Bloor Street West
Toronto, Ontario
M8X 2X4
(416) 239-1270

Gasoline
Handling Act

Energy Act

Director
Pressure Vessels Safety Branch
Technical Standards Division
3rd Floor
3300 Bloor Street West
Toronto, Ontario
M8X 2X4
(416) 239-7796

Boilers and
Pressure Vessels
Act

Deputy Director
Corporate Finance Branch
Ontario Securities Commission
18th Floor
20 Queen Street West
Toronto, Ontario
M5H 3S8
(416) 963-0239

Securities Act

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Ontario

Ministry
of the
Environment

REFERENCE	SECTION	PAGE
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15th Floor
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5
(416) 965-1611

Minister

14th Floor
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5
(416) 965-1995

**Deputy
Minister**

Director
Water Resources Branch
4th Floor
1 St. Clair Avenue West
Toronto, Ontario
M4V 1K6
(416) 965-6141

**Ontario Water
Resources Act**

Director
Legal Services Branch
12th Floor
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5
(416) 965-7156

**Environmental
Protection Act**

Director
Environmental Assessment Branch
7th Floor
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5
(416) 965-3980

**Environmental
Assessment Act**

Director
Environmental Approvals and Project Engineering
Branch
5th Floor
40 St. Clair Avenue West
Toronto, Ontario
M4V 1M2
(416) 965-7062

Approvals



REFERENCE	SECTION	PAGE
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REGIONAL OFFICES

<u>District Offices</u>	<u>Regional Office Address</u>	<u>Region</u>
Thunder Bay Kenora	Thunder Bay Regional Office 435 James Street S. P.O. Box 5000 Thunder Bay, Ontario P7C 5G6 (807) 475-1205	Northwestern
Sudbury Timmins Sault Ste. Marie North Bay Parry Sound	Sudbury Regional Office 11th Floor 199 Larch Street Sudbury, Ontario P3S 5P9 (705) 522-8282	Northeastern
Windsor Sarnia Owen Sound	London Regional Office 985 Adelaide Street S. London, Ontario N6E 1V3 (519) 681-3600	Southwestern
Cambridge Welland Simcoe	Hamilton Regional Office 12th Floor 119 King Street West Hamilton, Ontario L8N 3Z9 (416) 521-7640	West Central
South Peel Barrie Muskoka-Haliburton Peterborough Toronto Halton-Peel	Toronto Regional Office 150 Ferrand Drive Suite 700 Don Mills, Ontario M3C 3C3 (416) 424-3000	Central
Ottawa Cornwall Belleville	Kingston Regional Office 133 Dalton Street P.O. Box 820 Kingston, Ontario K7L 4X6 (613) 549-4000	Southwestern

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10th Floor
80 Grosvenor Street
Hepburn Block
Toronto, Ontario
M7A 2C4
(416) 965-2421

Minister

10th Floor
80 Grosvenor
Hepburn Block
Toronto, Ontario
M7A 2C4
(416) 965-2437

**Deputy
Minister**

Senior Consultant
Public Health Inspection Service
Public Health Branch
5th Floor
15 Overlea Blvd.
Toronto, Ontario
M4H 1A9
(416) 963-2234

Inspection

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PUBLIC HEALTH UNITS

Health Unit

Address

Algoma	6th Floor, Civic Centre 99 Foster Drive Sault Ste. Marie, Ontario P6A 5X6 (705) 949-9111 Ext. 377
Brant County District	194 Terrace Hill Street Brantford, Ontario N3R 1G7 (519) 753-7377
Bruce County	30 Park Street Box 248 Walkerton, Ontario N0G 2V0 (519) 881-1920
Durham Regional	Community Health Services Centre 301 Golf Street Oshawa, Ontario L1G 4B2 (416) 723-8521
Borough of East York	550 Mortimer Avenue Toronto, Ontario M4J 2H2 (416) 461-8136
Eastern Ontario	1000 Pitt Street Cornwall, Ontario K6J 3S5 (613) 933-1375
Elgin-St. Thomas	2 Wood Street St. Thomas, Ontario N5R 4K9 (519) 631-9900

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PUBLIC HEALTH UNITS (CONT'D)

<u>Health Unit</u>	<u>Address</u>
Etobicoke Health Department	Etobicoke Civic Centre Etobicoke, Ontario M9C 2Y2 (416) 626-4532
County of Grey - Owen Sound	County Building 595 9th Avenue East Owen Sound, Ontario N4K 3E3 (519) 376-9420
Haldimand - Norfolk Region	365 West St. Box 247 Simcoe, Ontario (519) 426-6170
Haliburton, Kawartha, Pine Ridge District	860 William Street Box 337 Cobourg, Ontario K9A 4K8 (416) 372-0175
Halton Region	1151 Bronte Road P.O. Box 7000 Oakville, Ontario L6J 6E1 (416) 827-2151
Hamilton - Wentworth Region	74 Hughson Street South P.O. Box 897 Hamilton, Ontario L8N 3P6 (416) 528-1441
Hastings and Prince Edward Counties	208 Bridge Street East Belleville, Ontario K8N 1N8 (613) 966-5500

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PUBLIC HEALTH UNITS (CONT'D)

<u>Health Unit</u>	<u>Address</u>
Huron County	Court House Goderich, Ontario N7A 1M2 (519) 524-8301
Kent - Chatham	435 Grand Avenue West P.O. Box 1136 Chatham, Ontario N7M 5L8 (519) 352-7270
Kingston, Frontenac & Lennox and Addington	221 Portsmouth Avenue Kingston, Ontario K7M 1V5 (613) 549-1232
Lambton	333 George Street Sarnia, Ontario N7T 4P5 (519) 344-5293
Leeds, Grenville and Lanark District	70 Charles Street Brockville, Ontario K6V 1T3 (613) 345-5685
Metro Windsor-Essex County	1005 Ouellette Avenue Windsor, Ontario N9A 4J8 (519) 258-2146
Middlesex - London District	346 South Street London, Ontario N6B 1B9 (519) 673-0110

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PUBLIC HEALTH UNITS (CONT'D)

<u>Health Unit</u>	<u>Address</u>
Muskoka - Parry Sound	Pine Street Box 1019 Bracebridge, Ontario POB 1C0 (705) 645-4471
Niagara Regional	130 Lockhart Drive St. Catharines, Ontario L2T 1W4 (416) 688-3762
North Bay and District	P.O. Box 185 200 McIntyre Street East North Bay, Ontario P1G 8G8 (705) 474-1400
Northwestern	15 Ocean Avenue West R.R. #1 Kenora, Ontario P9N 3W7 (807) 468-3147
North York Health Department	5100 Yonge Street Willowdale, Ontario M2N 5V7 (416) 224-6197
Ottawa - Carleton Region	1827 Woodward Drive Ottawa, Ontario K2C 0R5 (613) 225-223
Oxford County	509 Brant Street Box 485 Woodstock, Ontario N4S 7Y5 (519) 539-6121

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PUBLIC HEALTH UNITS (CONT'D)

<u>Health Unit</u>	<u>Address</u>
Perth District	653 West Gore Street Stratford, Ontario N5A 1L4 (519) 271-7600
Peterborough County	835 Weller Street Peterborough, Ontario K9J 4Y1 (705) 743-1160
Porcupine	169 Pine Street South P.O. Box 2012 Timmins, Ontario P4N 2K3 (705) 267-1181
Renfrew County and District	P.O. Box 940 1217 Pembroke Street East Highway 17 Pembroke, Ontario K8A 7M5 (613) 732-3629
Scarborough Health Department	Scarborough Civic Centre 160 Borough Drive Scarborough, Ontario M1P 4N8 (416) 296-7454
Simcoe County District	County Administration Centre Midhurst, Ontario L0L 1X0 (705) 726-9300
Sudbury and District	1300 Paris Crescent Sudbury, Ontario P3E 3A3 (705) 522-9200

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PUBLIC HEALTH UNITS (CONT'D)

<u>Health Unit</u>	<u>Address</u>
Thunder Bay District	P.O. Box 1024 300 Lillie Street North Thunder Bay, Ontario P7C 4X8 (807) 622-3961
Timiskaming	Suite 206 6 Tweedsmuir Road Kirkland Lake, Ontario P2N 1H9 (705) 567-9355
Toronto City Health Department	7th Floor, East Tower City Hall 100 Queen Street West Toronto, Ontario M5H 2N2 (416) 947-7401
Waterloo Region	850 King Street West Kitchener, Ontario N2G 1E8 (519) 744-7357
Wellington-Dufferin- Guelph	205 Queen Street East Fergus, Ontario N1M 1T2 (519) 843-2460
York Borough Health Department	2700 Eglinton Avenue West Toronto, Ontario M6M 1V1 (416) 653-2700
York Region	Public Health Branch 22 Prospect Street Newmarket, Ontario L3Y 3S9 (416) 895-4511

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Ontario
Ministry of
Labour

REFERENCE	SECTION	PAGE
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14th Floor
400 University Avenue
Toronto, Ontario
M7A 1T7
(416) 965-4101

Minister

14th Floor
400 University Avenue
Toronto, Ontario
M7A 1T7
(416) 965-4115

**Deputy
Minister**

Director
Mining Health and Safety Branch
7th Floor
400 University Avenue
Toronto, Ontario
M7A 1T7
(416) 965-1328

**Occupational
Health and
Safety Act**

Secretary
Workers' Compensation Board
20th Floor
2 Bloor Street East
Toronto, Ontario
M4C 3C3
(416) 927-4006

**Workers'
Compensation
Act**

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Ontario
Ministry of
Labour

MINE RESCUE STATIONS

Address

Elliot Lake	50 Hillside Drive North Elliot Lake P5A 1X4 (705) 848-3022
Kirkland Lake	107 Government Road West Kirkland Lake P2N 2E8 (705) 567-4606
Onaping	Levack Highway Onaping POM 2R0 (705) 966-3844
Red Lake	431 Dickensen Road Red Lake POV 2M0 (807) 727-2214
Sudbury	P.O. Box 65 Sudbury P3E 4N3 (705) 566-4344
Thunder Bay	RR #2 Arthur Street West Thunder Bay P7C 4V1 (807) 577-5321
Timmins	Schumacher Highway Timmins M7A 1T7 (705) 264-7511



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MINING HEALTH AND SAFETY OFFICES

10A Brunswick Walk
Elliot Lake, Ontario
P5A 2A8
(705) 847-2885

Elliot Lake

Suite 301
1055 Princess Street
Kingston, Ontario
K7L 1H3
(613) 547-3418

Kingston

4 Government Road East
Kirkland Lake, Ontario
P2N 1A2
(705) 567-5241

Kirkland Lake

2nd Floor
205 Oxford Street
London, Ontario
N6A 3C2
(519) 439-3231

London

Suite 218
10720 Yonge Street
Richmond Hill, Ontario
L4C 3C9
(416) 884-6551

Richmond Hill

260 Cedar Street
Sudbury, Ontario
P3B 3X1
(705) 675-4468

Sudbury

435 James Street S.
Thunder Bay, Ontario
P4N 1E2
(807) 475-1675

Thunder Bay

273 Third Avenue
Timmins, Ontario
P4N 1E2
(705) 267-6231

Timmins

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Ministry of
Municipal Affairs
and Housing

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17th Floor
777 Bay Street
Toronto, Ontario
M5G 2E5
(416) 585-7000

Minister

17th Floor
777 Bay Street
Toronto, Ontario
M5G 2E5
(416) 585-7100

**Deputy
Minister**

Manager, Policy Section
Local Planning and Policy Branch
13th Floor
777 Bay Street
Toronto, Ontario
M5G 2E5
(416) 965-3177

**Planning
Act**

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Ministry of
Natural
Resources

Ontario

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6th Floor
99 Wellesley Street W.
Whitney Block
Toronto, Ontario
M7A 1W3
(416) 965-1301

Minister

6th Floor
99 Wellesley Street West
Whitney Block
Toronto, Ontario
M7A 1W3
(416) 965-2704

**Deputy
Minister**

Supervisor
Mining Lands Section
Land Management Branch
6th Floor, Room 6451
99 Wellesley Street West
Whitney Block
Toronto, Ontario
M7A 1W3
(416) 965-1380

**Mining
Act**

Mine Assessor
Mineral Resources Branch
4th Floor
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
(416) 965-1062

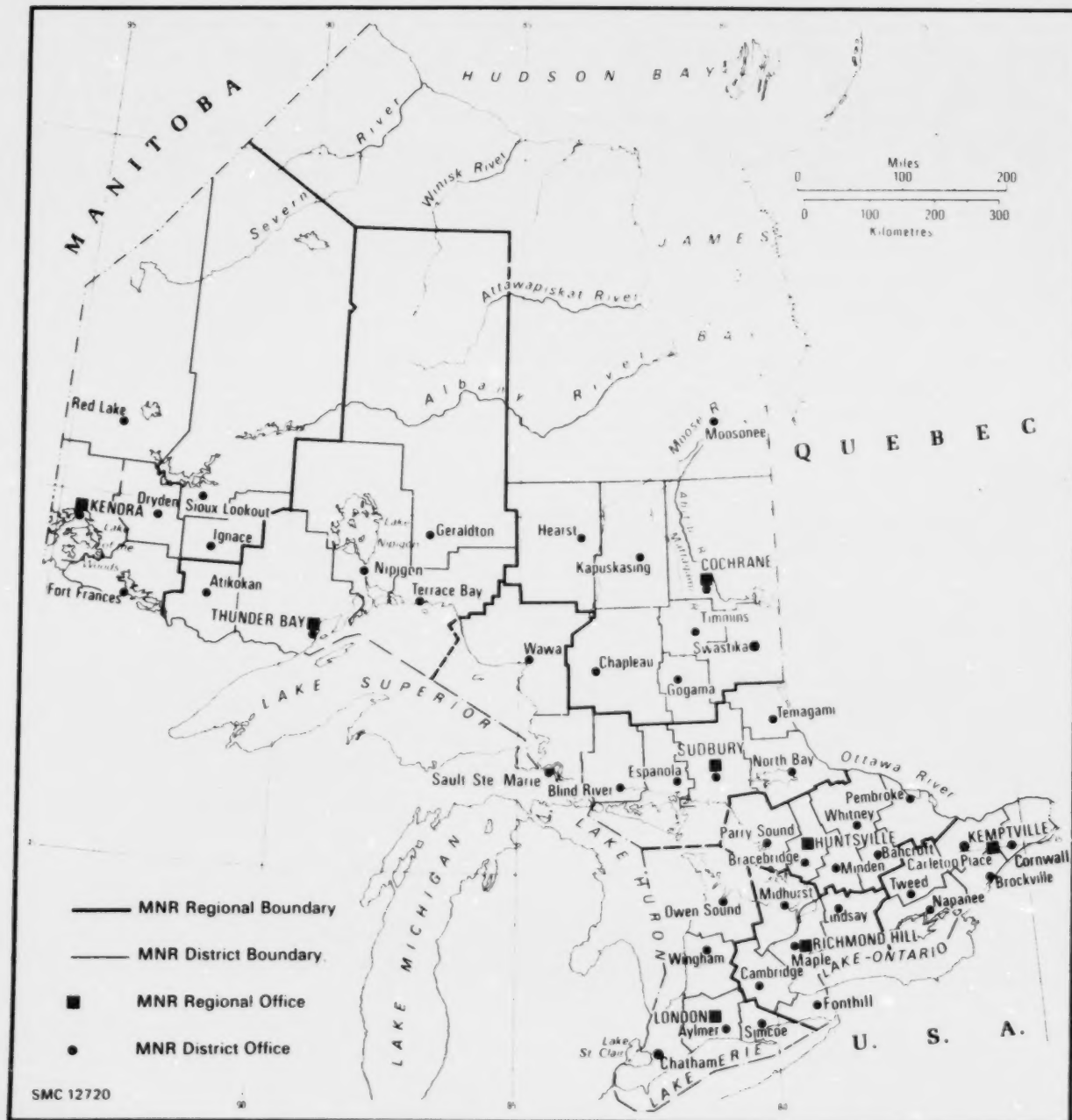
**Mining
Tax Act**

Advisor, Aggregate Enforcement Policy
Industrial Minerals Section
Mineral Resources Branch
4th Floor, Room 4646
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
(416) 965-3128

**Pits and
Quarries
Control Act**

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MINISTRY OF NATURAL RESOURCES REGIONAL AND DISTRICT ADMINISTRATIVE OFFICES





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REGIONAL OFFICES

District Offices

Regional Office Address

Dryden
Fort Francis
Ignace
Kenora
Red Lake
Sioux Lookout

808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9
(807) 468-3111

Northwestern

Atikokan
Geraldton
Nipigon
Terrace Bay
Thunder Bay
White River

435 James Street South
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6
(807) 475-1261

North Central

Chapleau
Cochrane
Gogama
Hearst
Kapuskasing
Kirkland Lake
Moosonee
Timmins

140 Fourth Avenue
Box 3000
Cochrane, Ontario
P0L 1C0
(705) 272-4287

Northern

Blind River
Espanola
North Bay
Sault Ste. Marie
Temagami
Wawa

174 Douglas Street West
Sudbury, Ontario
P3E 1G1
(705) 673-1111

Northeastern

Algonquin Park
Bancroft
Bracebridge
Minden
Parry Sound
Pembroke

Brendale Square
Box 9000
Huntsville, Ontario
POA 1K0
(705) 789-9611

Algonquin

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Ministry of
Natural
Resources

REGIONAL OFFICES (CONT'D)

<u>District Offices</u>	<u>Regional Office Address</u>	<u>Region</u>
Brockville Cornwall Lanark Napanee Ottawa Tweed	Provincial Government Building Concession Road Kemptonville, Ontario K0G 1J0 (613) 258-3413	Eastern
Cambridge Lindsay Maple Huron Niagara	10670 Yonge Street Richmond Hill, Ontario L4C 3C9 (416) 884-9203	Central
Aylmer Chatham Owen Sound Simcoe Wingham	1106 Dearness Drive London, Ontario N6E 1N9 (519) 681-5350	Southwestern

RESIDENT GEOLOGIST'S OFFICES

Highway 28 Box 500 Bancroft, Ontario K0L 1C0	Bancroft
Box 230 Presley St. Cobalt, Ontario P0S 1C0	Cobalt
Brendale Sq. Box 9000 Huntsville, Ontario P0A 1K0	Huntsville
4 Government Road E. Kirkland Lake, Ontario P2N 1A2	Kirkland Lake
808 Robertson Street Box 5160 Kenora, Ontario P9N 3X9	Kenora
458 Central Avenue London, Ontario N6B 2E5	London



Ontario

Ministry of
Natural
Resources

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RESIDENT GEOLOGIST'S OFFICES

Ontario Government Building
Box 860
Red Lake, Ontario
POV 2M0

Red Lake

10670 Yonge Street
Richmond Hill, Ontario
L4C 3C9

Richmond Hill

875 Queen Street East
Sault Ste. Marie, Ontario
P6A 2B3

Sault Ste. Marie

Court House Bldg
Sioux Lookout, Ontario
POV 2T0

Sioux Lookout

10th Floor
199 Larch Street
Sudbury, Ontario
P3E 5P9

Sudbury

435 James St. S.
Thunder Bay, Ontario
P7C 5G6

Thunder Bay

60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Timmins

255 Metcalf Street
Box 70
Tweed, Ontario
K0K 3J0

Tweed

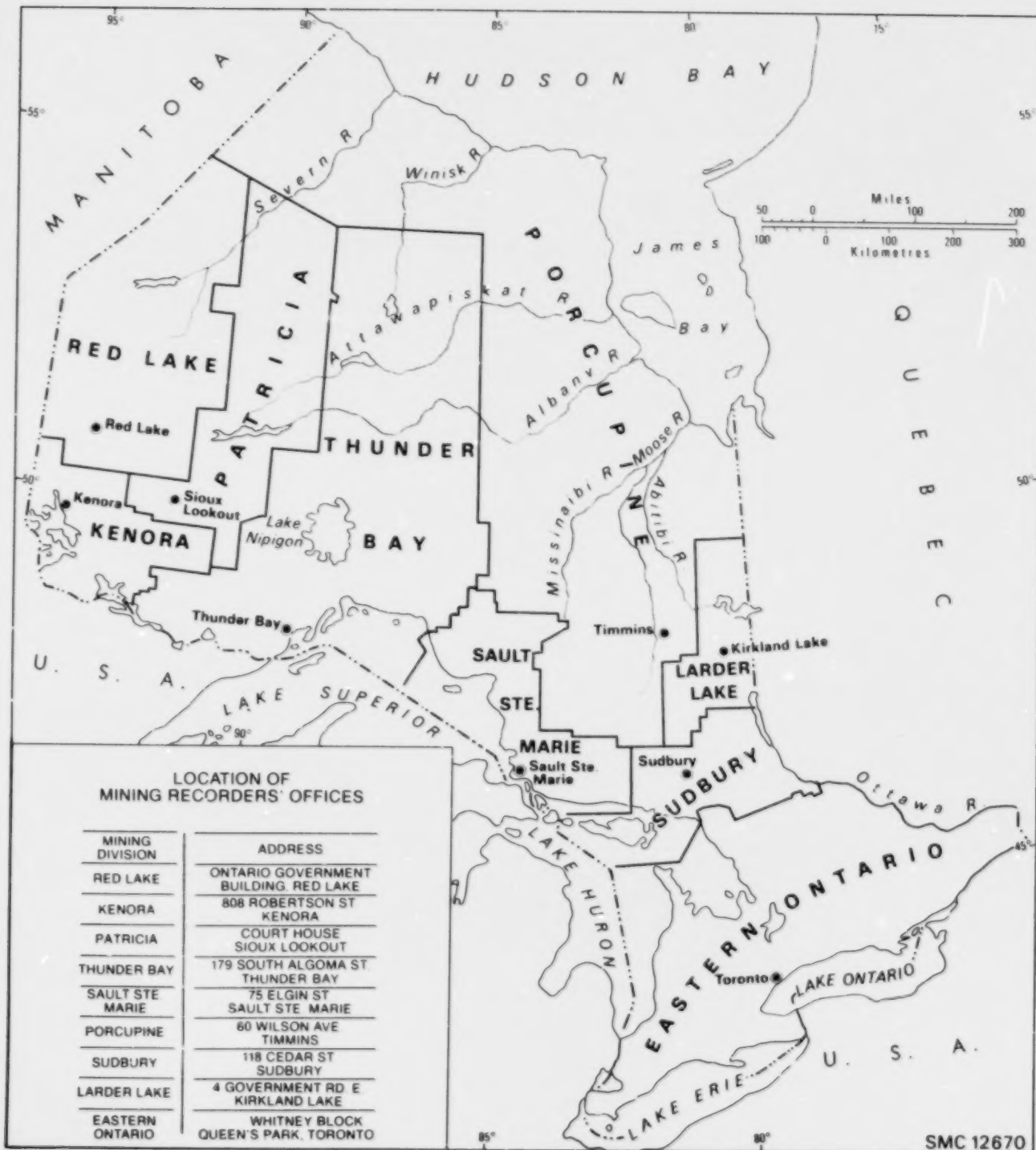
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Ministry of
Natural
Resources

Ontario

LOCATION OF MINING RECORDERS' OFFICES





Ontario

Ministry
of
Revenue

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	31	45

19th Floor
77 Bloor Street West
Toronto, Ontario
M7A 1X8
(416) 965-6453

Minister

19th Floor
77 Bloor Street West
Toronto, Ontario
M7A 1X8
(416) 965-2996

Deputy
Minister

Director
Assessment Policies and Priorities Branch
Property Assessment Program
33 King Street West
Oshawa, Ontario
L1H 8H5
(416) 433-5755

Assessment
Act

Provincial Land
Tax Act

REFERENCE	SECTION	PAGE
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Ministry of
Tourism and
Recreation

REFERENCE	SECTION	PAGE
	3.1	47

12th Floor
1200 Bay Street
Toronto, Ontario
M5R 2A5
(416) 963-1401

Minister

12th Floor
1200 Bay Street
Toronto, Ontario
M5R 2A5
(416) 963-1350

**Deputy
Minister**

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Ministry of
Transportation and
Communications

REFERENCE	SECTION	PAGE
	3.1	49

3rd Floor
77 Wellesley Street West
Ferguson Block
Toronto, Ontario
M7A 1Z8
(416) 965-2101

Minister

3rd Floor
77 Wellesley Street West
Ferguson Block
Toronto, Ontario
M7A 1Z8
(416) 248-3604

Deputy
Minister

Head, Approvals Section
Highway Engineering Division
1201 Wilson Avenue
Central Building
Downsview, Ontario
M3M 1J8
(416) 248-3769

Bridges
Act

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FEDERAL CONTACTS



ATOMIC ENERGY
CONTROL
BOARD

REFERENCE	SECTION	PAGE
	3.2	51

270 Albert Street
Martel Building
P.O. Box 1046
Ottawa, Ontario
K1P 5G8
(613) 992-8828

President

Manager, Uranium Mines Division
270 Albert Street
Martel Building
P.O. Box 1046
Ottawa, Ontario
K1P 5G8
(613) 995-3181

**Atomic Energy
Control Act**

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CONSUMER AND
CORPORATE
AFFAIRS

REFERENCE	SECTION	PAGE
	3.2	53

23rd Floor, Zone 1
50 Victoria Street
Place du Portage, Phase 1
Hull, Quebec
K1A 0C9
(819) 997-3530

Minister

23rd Floor, Zone 8
50 Victoria Street
Place du Portage, Phase 1
Hull, Quebec
K1A 0C9
(819) 997-2683

**Deputy
Minister**

Merchandise Division
Consumer Products Branch
16th Floor
Place du Portage, Phase 1
Hull, Quebec
K1A 0C9
(819) 997-1177

**Precious Metals
Markings Act**

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ENERGY, MINES
AND
RESOURCES

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21st Floor
580 Booth Street
Wm. Logan Bldg.
Ottawa, Ontario
K1A 0E4
(613) 993-5252

Minister

21st Floor
580 Booth Street
Wm. Logan Bldg.
Ottawa, Ontario
K1A 0E4
(613) 992-3456

Deputy
Minister

Chief Inspector
Explosives Branch
580 Booth Street
Wm. Logan Bldg.
Ottawa, Ontario
K1A 0E4
(613) 993-7211

Explosives
Act

REFERENCE	SECTION	PAGE
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Environnement
Canada

REFERENCE	SECTION	PAGE
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25th Floor
10 Wellington Street
Hull, Quebec
K1A 0H3
(819) 997-1441

Minister

25th Floor
10 Wellington Street
Hull, Quebec
K1A 0H3
(819) 997-4203

**Deputy
Minister**

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Foreign Investment
Review Agency

REFERENCE	SECTION	PAGE
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P.O. Box 2800
Station "D"
240 Sparks Street
Ottawa, Ontario
K1P 6A5
(613) 995-9601

Commissioner

P.O. Box 2800
Station "D"
240 Sparks Street
Ottawa, Ontario
K1P 6A5
(613) 996-2414

Foreign
Investment
Review Act

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INDIAN AND
NORTHERN AFFAIRS

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	3.2	61

Room 2100
10 Wellington Street
Hull, Quebec
K1A 0A6
(819) 997-0002

Minister

Room 2101
10 Wellington Street
Hull, Quebec
K1A 0A6
(819) 997-0133

Deputy
Minister

Director
Indian Minerals (East) Directorate
Suite 302
1 Front Street West
Toronto, Ontario
M5J 1A4
(416) 369-4622

Indian Act

REFERENCE	SECTION	PAGE
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TRANSPORT
CANADA

REFERENCE	SECTION	PAGE
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25th Floor
Place de Ville, Tower C
Ottawa, Ontario
K1A 0N5
(613) 996-7501

Minister

25th Floor
Place de Ville, Tower C
Ottawa, Ontario
K1A 0N5
(613) 992-5031

**Deputy
Minister**

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4. PROVINCIAL STATUTES

This chapter is designed to provide the reader with an overview of the provincial statutes and policy guidelines which affect mineral development.

Section 4.1 provides a brief review of provincial statutes which are only generally applicable to the mining industry. The remaining sections summarize the legislation and government policy of each Ministry with an interest in mining activities.

A general description of the purpose and relevance of each statute or guideline is provided. Particular requirements (licensing, submissions, etc.) are only briefly referenced in this section. Details of each requirement are outlined, by mine phase, in Chapter 6. The licences and submissions which are described in Chapter 6 are cross-referenced in this chapter by square brackets [].

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GENERALLY APPLICABLE PROVINCIAL STATUTES

REFERENCE	SECTION	PAGE
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STATUTE	GENERAL DESCRIPTION	MINISTRY OR AGENCY
Business Corporations Act	The Business Corporation's Act regulates the provincial incorporation and general practices of Ontario corporations including its powers, shareholders' rights, directors, record keeping and dissolution.	Ministry of Consumer and Commercial Relations
Construction Hoists Act	In this Act, a construction hoist is defined to exclude hoists which are included under the Mining Act. However, the Construction Hoists Act does apply to material and workmen's hoists used during construction. The Act contains substantial requirements and approvals from the Ministry of Labour.	Ministry of Labour
Corporations Act	The Corporations Act pertains to all corporations, provincial and extra-provincial, and covers incorporation, share capital and winding up.	Ministry of Consumer and Commercial Relations
Corporations Information Act	The Corporations Information Act deals with the form and use of corporate names, registration, initial notice of general information and subsequent notifications.	Ministry of Consumer and Commercial Relations

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GENERALLY APPLICABLE PROVINCIAL STATUTES

STATUTE	GENERAL DESCRIPTION	MINISTRY OR AGENCY
Corporations Tax Act	The Corporation's Tax Act legislates tax requirements for corporations in Ontario.	Ministry of Revenue
Employment Standards Act	The Employment Standards Act sets minimum standards for employment contracts including work hours, wages, overtime pay, and public holidays.	Ministry of Labour
Labour Relations Act	The Labour Relations Act regulates procedures for establishing collective bargaining agents, negotiating collective agreements and arbitration.	Ministry of Labour
Ontario Building Code Act	The Ontario Building Code applies throughout the Province to all new construction and to major alteration or repair of existing buildings. The code would apply to all buildings on a mine site other than structures used directly for the extraction of minerals.	Ministry of Municipal Affairs and Housing
Ontario Energy Board Act	The Ontario Energy Board Act stipulates that no person can construct a gas or oil transmission line without obtaining Board approval. On-site pipelines are regulated by the Fuels Safety Branch Ministry of Consumer and Commercial Relations. In most cases, off-site transmission pipelines are constructed by a utility company.	Ontario Energy Board

MINISTRY OF
**AGRICULTURE
AND FOOD**

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 126	42.1	69

DRAINAGE ACT

The Drainage Act is directed primarily at works which affect two or more parties and are constructed off mining property on agricultural land.

General Description

Drainage works include a drain constructed, by any means, to improve a natural watercourse or to regulate the water table or water level within or on any lands public or private. Drainage works also include the works necessary to regulate the level of water in a drain, reservoir, lake or pond such as a dam, well, protective works or any combination thereof.

Three classes of drainage works are described under the Act:

Drain Types

- 1) Mutual agreement - where all land owners affected agree on all aspects of the drainage works to be constructed.
- 2) Petition drains - where a majority of land owners affected agree on the proposed drainage works and petition the local municipality for approval [p. 223].
- 3) Requisition - where one land owner requires drainage which does not have the agreement of a majority of other land owners affected, a request may be filed with the local municipality. The total cost of a requisition drain system must not exceed \$7,500 [p. 225].

The land owners who use a requisition or petition drainage system may be assessed a portion of the cost of construction and maintenance.

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	4.2.2	71

FOOD LAND GUIDELINES POLICY

Section 3.16 of the Guidelines recognizes that there are areas with agricultural potential that also have potential for mineral aggregate extraction. In general, aggregate extraction may occur if agricultural rehabilitation of the site is carried out and the same acreage and soil capability for agriculture are restored.

General Description

Mineral aggregate extraction is prohibited on specialty crop lands (designated in Section 3.16.1 of the Guidelines) unless documentation is provided to show that:

Aggregate Extraction

- (a) the site can be rehabilitated for agriculture to allow production of the same acreage of the same specialty crops at the same level of productivity, and
- (b) there will be no effect on the climate or microclimate on which the area may be dependent for specialty crop production.

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**MINISTRY OF
CONSUMER AND
COMMERCIAL
RELATIONS**



Ontario

Ministry of
Consumer and
Commercial
Relations

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 46 R.S.O. 1983 Chap. 33	4.3.1	73

BOILERS AND PRESSURE VESSELS ACT

The Act was created to control and monitor the design, construction, installation, operation and repair of fired (boiler) and unfired (pressure vessel) vessels that may be used for containing, storing, distributing, transferring, distilling, processing or other handling of any gas, vapor or liquid under pressure.

General Description

The Act does not apply to a boiler or pressure vessel for permanent use at a pressure of 15 pounds or less, or having a capacity of $1\frac{1}{2}$ cubic feet or less. Additional specific exemptions are covered in Section 2 of the Act.

Exemptions

Before a boiler, pressure vessel, fitting or pipe can be operated, it must have gone through a process of inspection and approval [p. 249].

Certificate of Approval

No employer shall permit welding by an unqualified welder. There are several different classes of welders. A welder is issued an identification card which indicates his level of qualification [p. 299]. Every welding operator shall carry his identification card when welding.

Identification Card

The boiler and plant will be subject to inspection annually, or as prescribed in the regulations.

Periodic Inspection

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Ontario

Ministry of
Consumer and
Commercial
Relations

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 139	4.3.2	75

ENERGY ACT, 1971

Under this Act a mining company is classified as a consumer outlet if it dispenses hydrocarbons for its own use only. Consumer outlets do not require a licence, however, they must comply with the regulations governing the installation and operation of hydrocarbon facilities which include:

1. Ontario Propane Handling and Utilization Code (O. Reg 825/82),
2. Ontario Gas Utilization Code (O. Reg 826/82), and
3. Fuel Oil Code (CSA-B139).

No person shall handle a hydrocarbon unless he is the holder of a certificate for that purpose [p. 263].

No persons shall install, repair, service, or remove any equipment employed in the handling or use of a hydrocarbon unless he is registered.

No person shall initially activate an appliance that is supplied by pipeline without giving notice in writing to the distributor. Where connected to a supply of hydrocarbon, an appliance shall not be initially activated until the distributor has inspected it for compliance with this Act.

No person shall activate a pipeline until it has been examined and accepted by a person with a certificate as a pipeline inspector.

General Description

Relevant Codes

Handler's Certificate

Registration of Contractors

Pipeline Activation

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Ministry of
Consumer and
Commercial
Relations

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap 185	4.3.3	77

GASOLINE HANDLING ACT

Under the Act, a mine is classified as a consumer outlet as long as it dispenses fuel only for its own use. Consumer outlets do not require a licence, but they must comply with the regulations stipulated in the Gasoline Handling Code.

**General
Description**

The Code regulates the design and operation of vehicles for transporting gasoline, above ground storage tanks and underground storage tanks. As well, it lays out requirements for operating procedures and safety precautions.

**Gasoline
Handling
Code**

All equipment for the handling and storage of gasoline must be approved by the Director of the Fuels Safety Branch [p. 255].

**Equipment
Approval**

Persons who install, repair, service or remove equipment for handling or storage of gasoline must be registered with the Director [p. 257].

**Registration
of Contractors**

All underground unprotected tanks installed prior to 1974 must be protected from corrosion, as stipulated in Section 7 of the Act, by 1991 or they must be removed. Corrosion protection standards are outlined in United Laboratories of Canada standard S603.1M.

**Corrosion
Protection**

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Ontario

Ministry of
Consumer and
Commercial
Relations

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 363 1982 c 42	434	79

OPERATING ENGINEERS ACT

The Act provides for the regulations governing the staffing of stationary power plants, steam-powered plants, compressor plants, refrigeration plants and temporary heating plants.

**General
Description**

Every user of a plant shall, before operating it, register it with the chief officer and pay a fee to obtain a certificate of registration. This certificate will show the classes of operating engineers required for the plant.

**Certificate of
Registration**

The chief officer issues certificates of qualification to individuals who meet the requirements which are contained in O. Reg 745/83.

**Certificate of
Qualification**

REFERENCE	SECTION	PAGE
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REFERENCE	SECTION	PAGE
RSO 1980 Chap. 466	435	81

SECURITIES ACT

Any certificate of interest in an oil, natural gas or mining lease, claim, or royalty voting trust certificate is considered a "security" and regulated by the Securities Act.

General Description

The Securities Act and regulations thereunder provide a legislative and administrative framework prescribing disclosure requirements, prospectus standards, insider trading rules and take-over bid rules.

Certificate of Registration

Subject to the regulations, registration of the following securities is not required:

Exemptions from Registration

- (a) securities of a prospecting syndicate that has filed an agreement under Part VIII of the Act, if the securities are not offered for sale to the public and are not sold to more than fifty persons or companies.
- (b) securities issued by a mining company or mining exploration company as consideration for mining claims where the vendor enters into such escrow or pooling agreement [p. 181] as the Director of the Ontario Securities Commission considers necessary.

Upon the filing of a prospecting syndicate agreement and the issuance of a receipt by the Director, the liability of the members of the syndicate is limited to the extent provided by the terms of the agreement where:

Prospecting Syndicate

- (a) the sole purpose of the syndicate is the financing of prospecting explorations, preliminary mining development or the acquisition of mining properties or any combination thereof,
- (b) the agreement clearly sets out the purpose of syndicate and location of principal office,
- (c) an annual statement of the receipts and disbursements is furnished annually to the Director and members, and
- (d) the capital does not exceed \$250,000.

No person shall trade in a security unless a preliminary prospectus and prospectus have been filed with the Director [p. 191].

Prospectus

REFERENCE	SECTION	PAGE
		82

**MINISTRY OF
THE ENVIRONMENT**



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 140	4.4.1	83

ENVIRONMENTAL ASSESSMENT ACT

The Act currently applies to projects undertaken by the provincial government and by municipalities. At this time, the Act does not generally apply to private sector projects. The only mining project designated under this Act is Onakawana Development Limited's proposed lignite strip mine in the James Bay lowlands.

Relevance

Proponents of projects which are designated under this Act must submit an environmental assessment to the Minister. Ministerial approval of the environmental assessment document is required before the project will be approved, and before any consent shall be issued or granted by any regulatory authority of the province.

General Description

REFERENCE	SECTION	PAGE
		84



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 141 1981 c.49 1983 c.52	4.4.2	85

ENVIRONMENTAL PROTECTION ACT

The Act states that no person shall deposit, add, emit or discharge a contaminant or cause or permit the deposit, addition, emission or discharge of a contaminant into the natural environment that:

General Description

- (a) impairs the quality of the natural environment;
- (b) causes injury to property or to plant or animal life;
- (c) causes harm or material discomfort to any person; or
- (d) impairs the health or safety of any person.

The Regional Director must issue a certificate of approval for a person to establish or operate a waste management system or a waste disposal site [p. 243].

Waste Disposal

Plans to use land that has been previously used for disposal of waste must be approved by the Minister unless twenty-five years has passed since the disposal site ceased operating.

In June 1983, the Minister released a document entitled "A Blueprint for Waste Management". This document is the first step in the development of a comprehensive plan for the handling of waste in Ontario. Once consultation with industry, municipal governments and the public is completed, policies, regulations and legislation will be drafted.

Waste Management

A certificate of approval is required from the Ministry for the methods or devices to be employed to control or prevent the emission or discharge of any contaminant into any part of the environment other than water [p. 253].

Air Pollution Systems

Emissions must meet the standards set out in Schedule 1 of Regulation 308, R.R.O. 1980, at the point of impingement of the discharge plume. The Ministry must be notified when any contaminant exceeds these standards. Designated ambient air quality criteria are outlined in Regulation 296, R.R.O. 1980.

Emission Standards

REFERENCE	SECTION	PAGE
R.S.O. 198 Chap. 141 1981 c.49 1983 c.52	4.4.2	86

ENVIRONMENTAL PROTECTION ACT (CONT'D)

Noise Guidelines

Under Section 8 of the Act, noise is considered a contaminant. The Ministry has published guidelines for the assessment of noise required under the Environmental Assessment Act and such guidelines should be reviewed for all mining operations, particularly if the surrounding area is not remote. Two relevant guidance documents are:

- (1) "Model Municipal Noise Control By-law as Amended", and
- (2) "Guidelines on Information Required for the Assessment of Potential Noise Sources".



Ontario

Ministry
of the
Environment

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 361 1981 c.50 1983 c.51	4.4.3	87

ONTARIO WATER RESOURCES ACT

The Province has jurisdiction over water supplies and, under the Ontario Water Resources Act, governs communal water systems. The Act prohibits the discharge of any material that may impair the quality of water of any well, lake, river, pond, spring, stream, reservoir or other watercourse.

General Description

In general, the municipalities are responsible for both the inspection of plumbing and the distribution of water to consumers. Private operators of water supply systems falling under the Act are also responsible for the quality of water at the consumer's tap. Water supplies not governed by the Ontario Water Resources Act are the responsibility of local health agencies.

Under Section 16 of the Act, the Ministry must be notified immediately of any discharge or deposit which is not in the normal course of events and may contaminate water. Each regional office of the Ministry has a 24-hour hot line for emergency calls [p. 23].

Emergencies

Construction of new water works or alteration to existing works may proceed only after the Ministry has issued a certificate of approval [p. 297]. Before issuing the approval the Ministry must be convinced that the proposed works can provide drinking water of acceptable quality.

Water Works

A permit is required for the taking of water totalling more than 50,000 litres per day [p. 275].

Water Removal

No person shall carry on the business of drilling wells unless he is licensed to do so [p. 293]. In addition, a person requires a permit to make any particular well [p. 295]. For further information refer to the Ontario Water Well Regulation or the MOE booklet "Water Wells and Ground Water Supplies in Ontario".

Water Wells

Under the Act, "sewage" includes drainage, storm water, commercial and industrial waste and any other substance specified in regulations made under clause 44(1)(i). It is this Act which regulates disposal of mine tailings.

Sewage Works and Tailings

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 361 1981 c.50 1983 c.51	4.4.3	88

ONTARIO WATER RESOURCES ACT (CONT'D)

Sewage Works

Plans for the establishment or alteration of any sewage works requires the approval of the Director [p. 289]. Under Section 51, the Director may require a company to construct sewage facilities if it has none, or to improve its facilities if they are considered inadequate.

Industrial waste discharge into a sanitary sewer requires approval from the owner of the sanitary sewer. Most municipalities have by-laws covering the use of their sewers. If the industrial wastes are instrumental in causing the effluent from a sewage plant to be unacceptable, the Ministry will contact the Municipality which will, in turn, exert pressure on the company through its sewer-use by-law.

Water Management Guidelines

The MOE published a booklet entitled "Water Management - Goals, Policies, Objectives and Implementation Procedures". This publication outlines the water management program of the Ministry. It reviews the quantity and quality aspects of the management of surface and ground waters. Goal statements are presented, policies adopted are outlined and implementation procedures are detailed in this publication.



Ontario

Ministry
of the
Environment

REFERENCE	SECTION	PAGE
	4.4.4	89

ONTARIO WATER QUALITY OBJECTIVES

Although the Province has jurisdiction over water supplies, it is the municipalities which are, most often, responsible for the distribution of water. The document entitled "Ontario Water Quality Objectives" is not legally enforceable, but serves as a guideline to municipalities and private operators of water supply systems for ensuring that water of adequate quality is delivered to consumers.

General Description

The limits described in this document are considered to be the minimum requirements necessary for the protection of public health and the fulfilment of other aesthetic and economic considerations.

This document is continually under review as new knowledge and experience permit the detection of contaminants previously unknown in drinking water. In the current revision, the "Guidelines for Canadian Drinking Water Quality, 1978" were used extensively. The Canadian guidelines are once again under review by a joint Federal-Provincial committee.

Water quality parameters related to health are discussed in four sections:

- (1) chemical characteristics,
- (2) physical characteristics,
- (3) microbiological characteristics, and
- (4) radioactivity.

REFERENCE	SECTION	PAGE
		90

**MINISTRY OF
HEALTH**

REFERENCE	SECTION	PAGE
R.S.O. 1983 Chap. 10 (Bill 138)	45.1	91

HEALTH PROTECTION AND PROMOTION ACT

In relation to the mining industry, this Act is concerned with the health and sanitary standards in the operation of a mining camp. Whereas the Occupational Health and Safety Act covers the working environment (mining activities), the Health Protection and Promotion Act applies to the living habitat of employees.

General Description

The Health Protection and Promotion Act was given Royal Assent on February 23, 1983, and, at the time of writing of this document, is expected to be proclaimed in July 1984.

A comprehensive list of requirements for the operation of a camp is established by O. Reg. 193/84. The regulations cover sanitary facilities, water supply, laundry operations, ventilation, lighting, food preparation areas and general accommodation facilities.

Regulations

The employer must notify the Medical Officer of Health, in the health unit where the mine is situated, when a camp is opened [p. 227] or closed [p. 311].

Notice of Camp Opening and Closing

Inspectors may enter camps at any time and where improper conditions exist, camps may be ordered closed by the Medical Officer of Health.

Inspectors

REFERENCE	SECTION	PAGE
		92

**MINISTRY OF
LABOUR**

4.6



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 321	4.6.1	93

OCCUPATIONAL HEALTH AND SAFETY ACT

This Act identifies the responsibilities of owners, constructors, employers and employees in all matters pertaining to the health and safety requirements in a project or work place. Regulation 694 (as amended by O. Reg. 626/82, O. Reg. 226/83 and O. Reg. 569/83) details the requirements for mines and mining plants.

General Description

Where the number of workers regularly exceeds twenty, the workers must choose a health and safety representative from amongst themselves. The representative inspects the work place regularly and identifies situations that may be a source of danger to the workers. In specific projects or situations, a joint employer-employee health and safety committee may be required. The constructor or employer must post and keep posted the names and work locations of committee members.

Health and Safety Representative

As stipulated in Part III of the Act, an employer must:

Duties of Employers

- (a) ensure that the equipment, materials and protective devices prescribed in the regulations are provided, kept in good condition and used properly;
- (b) ensure that floors, roofs, walls, pillars, supports or other parts of the work place are capable of supporting the loads established under the Building Code Act [p. 68];
- (c) provide information, instruction and supervision to a worker to protect the health and safety of the worker;
- (d) only employ a person over the prescribed age;
- (e) post a copy of the Act in the work place along with material explaining the rights and responsibilities of the workers; and
- (f) establish and operate an occupational health service as prescribed in the regulations.

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 321	4.6.1	94

OCCUPATIONAL HEALTH AND SAFETY ACT (CONT'D)

Mine Plans

An owner or employer shall not begin any construction, development reconstruction, alteration, addition or installation to or in a work place until the drawings, layout and specifications have been filed with the Ministry for review by an engineer [p. 273]. The owner of a mine must update drawings, plans or specifications every six months and keep a copy of the drawings at or near the work location.

Toxic Substances

An employer must keep records of the handling, storage, use and disposal of biological, chemical or physical agents outlined in the regulations. An employer must also keep records of the exposure of workers to such agents. A Director may restrict or prohibit the use of such agents if they are considered to endanger the health of a worker. The employer must provide a copy of any such order of a Director to the health and safety representative and the trade union and post a copy at the work place.

• Designated Substances

Under paragraph 14 of subsection 41 (2), the Lieutenant Governor in Council has the authority to prescribe any biological, chemical or physical agent as a designated substance. A set of regulations for each designated substance is created to control its use.

There are seven designated substances; asbestos (O. Reg. 570/82); coke oven emissions (O. Reg. 517/82), isocyanates (O. Reg. 455/83), lead (O. Reg. 536/81), mercury (O. Reg. 141/82), silica (O. Reg. 769/83) and vinyl chloride (O. Reg. 516/82).

Refusal to Work

A worker may refuse to work where he has reason to believe that his or another worker's safety is endangered. The employer must then investigate the worker's report in the presence of the worker and a health and safety representative. If the worker continues to refuse to work, the employer shall notify an inspector of the Ministry who will investigate the matter and provide a written decision.

Accident Report

When a person is killed or critically injured from any cause at a work place, the employer shall notify an inspector, the health and safety representative and the union, if any, immediately. Within forty-eight hours the employer must send a report to the Director of the circumstances surrounding the occurrence [p. 197].

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 321	4.6.1	95

OCCUPATIONAL HEALTH AND SAFETY ACT (CONT'D)

When an accident disables a worker from performing his usual work, but does not cause death or critical injury, the employer must notify the employee representative and the union, if any, within four days of the occurrence [p. 197].

**Accident
Report
(cont'd)**

When an accident, explosion, fire, flood, failure of any equipment, cave-in or other incident as prescribed in the Act, occurs at a project site, mine or mining plant, notice in writing must be given to the Director, health and safety representative and union, if any, within two days.

Every operator of an underground hard rock mine shall establish and maintain training programs in:

**Training
Programs**

(a) The Common Core Basic Underground Rock Mining Skills; and

(b) Specialized Underground Hard Rock Mining Skills,

as developed by the Ministry of Colleges and Universities.

Government-operated mine rescue stations may be established and operated in such locations as the Minister considers advisable (refer to Section 16 of the Regulations).

Mine Rescue

Surface mines and openings on the surface to underground mines must be protected to prevent inadvertent access.

Openings

Employers may be required to pay an assessment to defray expenses incurred by the Ministry to administer the Act. This assessment is collected by the Workers' Compensation Board.

Assessment

Part VIII of the Act identifies the duties and powers of the Ministry inspector. Where an inspector finds that a provision of the Act or regulations is being contravened he may order the contravenor to comply within such a period as he determines appropriate. If a contravention of the Act or Regulations is considered to be a hazard to the health or safety of a worker, the inspector may order the work to be stopped until the order of compliance is satisfied.

Enforcement

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 321	4.6.1	96

OCCUPATIONAL HEALTH AND SAFETY ACT (CONT'D)

Explosives

Explosives stored at a mine must be used only for the purpose of the mine and must be stored in a licensed magazine [p. 223]. Part VI of the regulations (Sections 116 to 147) applies to the usage, storage and transportation of explosives at mine sites. The Explosives Act [p. 155] provides for the regulation of the transportation, importation and sale of explosives.

Uranium Miners

On June 18, 1984, the Federal and Ontario Ministers of Labour announced an agreement that brings Ontario's uranium miners under the Occupational Health and Safety Act. Up until this time, uranium mining was controlled by the Federal Labour Code because it is under federal jurisdiction. Uranium mining remains under federal jurisdiction, except that the more stringent provincial safety laws will now apply, and the Ontario Labour Relations Board has the right to police these provisions. One of the most important features of the agreement is that uranium miners now have the right to refuse to do work they believe is unsafe.



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 539 1981 c.30 1982 c.61 1983 c.45	4.6.2	97

WORKERS' COMPENSATION ACT

This Act deals with accidents, disabilities and compensation resulting from and in the course of employment. Certain regulations and standards under this Act apply specifically to mining.

General Description

According to the Act, owners of mining operations, from the initial stages of prospecting and development work to the abandonment phase, are required to contribute to the accident fund. This fund provides for the payment of compensation, salaries of commissioners, expenses arising out of the establishment and operation of mine rescue stations and all other expenses and outlays under the Workers' Compensation Act.

Accident Fund

Regulations under the Act define the terms of reference for industries or operations in determining and fixing the percentage, rate or sum to be assessed and levied upon employers.

Where there is an accident involving an employee and the employee is disabled or requires medical aid, the employer must notify the Workers' Compensation Board [p. 201].

Notification of Accident

This Act entitles employers, with the approval and under the control of the Board, to form themselves into an association for the purpose of education in accident prevention. For the mining industry, the relevant organization is the Mines Accident Prevention Association of Ontario (MAPAO).

Accident Prevention

Membership in MAPAO is compulsory for most mining companies. The Association is funded by its membership, through a portion of the Workers' Compensation Board assessment rate charges.

MAPAO

As considered necessary, the Board may require employers to establish and operate first-aid services. First-aid requirements are dealt with in O. Reg. 6/71.

First-Aid

An employer is required to submit to the Board an annual statement of wages earned [p. 199]. The Mines Accident Prevention Association of Ontario requests mine operations to complete a monthly injury report [p. 189].

Statistical Returns

REFERENCE	SECTION	PAGE
		98

**MINISTRY OF
MUNICIPAL AFFAIRS
AND HOUSING**



REFERENCE	SECTION	PAGE
R.S.O. 1983 Chap. 1 Chap. 82	4.7.1	99

PLANNING ACT

The Act provides that the council of any municipality may prepare an Official Plan. Although the Official Plan of a municipality has no direct authority over mining activities, a mining company should be aware of the municipality's planning policies because of the municipality's control over building construction and land use exercised through zoning by-laws.

General Description

In unorganized areas, where a municipality does not exist, official plans may be prepared for specifically designated planning areas. The Minister may make zoning orders to implement an official plan or to control development even if there is no official plan.

Unorganized Areas

Zoning by-laws may be passed by the councils of local municipalities to prohibit the establishment of a pit or quarry [p. 128].

Pits and Quarries

A mobile home must be located on a parcel of land as defined by Section 45 of the Act. Only one mobile home is allowed on each parcel of land, unless otherwise authorized by a by-law under Section 34 of the Act, or a Minister's zoning order under Section 46.

Mobile Homes

When the mining activity is completed, a mining company may wish to subdivide its land to allow for the continued use of the homes and facilities by employees, or other private individuals. The land owner may apply to the Minister for approval of a subdivision plan [p. 319]. In some cases, residences may have been permitted on the condition that they be removed when the mining operation ceased. In such cases, subdivision and sale will not be permitted.

Subdivision Of Land

REFERENCE	SECTION	PAGE
		100

**MINISTRY OF
NATURAL
RESOURCES**



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 39	4.8.1	101

BEACH PROTECTION ACT

For the purposes of this Act, the District Manager shall ensure that, in the event that authority is granted to move or remove material, the means or method and extent of the operation will not cause undue erosion or damage nor otherwise unduly impair or interfere with the natural state or use of water nor the fish's habitat. He shall also ensure that an equitable monetary return to the Crown will be gained for the removal of Crown material.

General Description

The Act stipulates that a Licence to Take Sand is required by all persons removing sand from the bed, bank, beach, shore or waters of any lakes, rivers or streams [p. 285]. In issuing the licence, the District Manager shall, in accordance with the provisions of the Act and regulations, consider all concerns affecting the public interest and assess the desirability of the proposed project as an acceptable land use.

Licence to Take Sand

The Licence to Take Sand is not required for the removal of sand by a municipality for municipal use, or by a resident of Ontario for his personal use. In the latter case, the written approval of the local municipality is required.

Exemptions

REFERENCE	SECTION	PAGE
		102



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 40	4.8.2	103

BEDS OF NAVIGABLE WATERS ACT

Paragraph 99(1)(4) of the Mining Act states that every lease issued under the Mining Act shall be subject to the provisions of the Beds of Navigable Waters Act.

General Description

This Act specifies that the holder of a grant for land bordering a body of navigable water does not gain title to the bed of such body of water, unless an express grant is made for the bed of that body of water.

Section 96 of the Mining Act states that a patent shall not be granted for land under navigable water, but, upon application in writing and surrender of his lease, a lessee is entitled to a new lease, renewable in perpetuity for periods of twenty-one years.

Notwithstanding any provision in the Act, the Lieutenant-Governor in Council may deal with special cases as he/she considers fair and just.

REFERENCE	SECTION	PAGE
		104



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 85 1983 c.8.5.20	4.8.3	105

CONSERVATION AUTHORITIES ACT

A conservation authority exists to establish and undertake, within the specific area under its jurisdiction, a program to further the conservation, restoration, development and management of natural resources other than gas, coal and minerals. Conservation authorities do not have the power to place restrictions on mining activities directly. However, the regulations established by an authority may impinge upon mine development.

General Description

An authority has the power to:

Power of a Conservation Authority

- establish a program to conserve, restore, develop and manage the watershed,
- purchase, lease or expropriate land,
- erect works and structures,
- control surface water flow and alter river courses,

and may have the power to regulate the construction of works, alteration of channels and placing or dumping of fill in defined areas.

REFERENCE	SECTION	PAGE
		106



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 138	4.8.4	107

ENDANGERED SPECIES ACT

No person shall wilfully:

- (a) kill, injure or interfere with or take any species of fauna or flora, or
- (b) destroy or interfere with the habitat of any species of fauna or flora

**General
Description**

declared by the regulations to be threatened with extinction.

Habitats for the following species (common names only given) must not be disturbed under regulations made pursuant to the Act.

**Protected
Species**

(a) Fauna:

Blue Racer
Timber Rattlesnake
Peregrine Falcon
Bald Eagle
West Virginia White Butterfly

Lake Erie Island Water Snake
Piping Plover
Eskimo Curlew
Golden Eagle
White Pelican
Mountain Lion
(Eastern Cougar)
Kirtland's Warbler

(b) Flora:

Small White Lady's Slipper Orchid

REFERENCE	SECTION	PAGE
		108



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 173	4.8.5	109

FOREST FIRES PREVENTION ACT

The Act is directed at prevention of forest fires in Ontario and regulates the use of outdoor fires, travel and work in fire regions in the Province.

General Description

The Act applies to the following fire regions:

Fire Districts

Chapleau	North Bay
Cochrane	Parry Sound
Fort Frances	Pembroke
Geraldton	Sault Ste. Marie
Kapuskasing	Sioux Lookout
Kemptville	Sudbury
Kenora	Swastika
Lake Huron	Thunder Bay
Lake Simcoe	Tweed
Lindsay	White River

Permits are required for any outdoor fire for any purpose other than cooking or obtaining warmth during the fire season which is the period April 1 to October 31 [p. 185]. The Minister may declare any part of a fire district to be a restricted fire zone in which case the use of outdoor fires would be severely restricted.

Fire Permit

The Minister may declare any part of a fire district to be a restricted travel zone. Travel in a restricted zone is allowed only upon issuance of a forest travel permit [p. 187].

Forest Travel Permit

A work permit is required for any mining operation, land clearing, construction of a dam, bridge or camp, or any other operation which is liable to cause the accumulation of slash or debris within 1,000 feet of a forest or woodland [p. 203].

Work Permit

REFERENCE	SECTION	PAGE
		110



Ministry of
Natural
Resources

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 182	48.6	111

GAME AND FISH ACT

Except under licence, no person shall molest, damage or destroy a beaver dam or a place of habitat of a fur-bearing animal, other than a fox or skunk.

General Description

No person shall take, destroy or possess the eggs or nests of any game bird without written authority from the Minister.

The ownership of the bed of a navigable water or lake or river does not include the exclusive right to fishing in waters over the bed unless that exclusive right is granted by the Crown.

REFERENCE	SECTION	PAGE
		112



Ministry of
Natural
Resources

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 215	4.8.7	113

INDUSTRIAL AND MINING LANDS COMPENSATION ACT

By the authority of this Act, the owner or operator of a mine is permitted to make an agreement with the owner or lessee of any land for payment for any damage or injury resulting or likely to result to the land from the operation of the mine or the mine workings.

The payment of compensation therefore affords a complete answer to any action that may be brought for damages or for an injunction in respect of any matter for which compensation has been made.

**General
Description**

REFERENCE	SECTION	PAGE
		114



Ministry of
Natural
Resources

Ontario

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 229	4.8.8	115

LAKES AND RIVERS IMPROVEMENT ACT

The purpose of this Act is to provide for the use of waters of the lakes and rivers of Ontario and to regulate improvements in them. Provisions are made for ensuring the suitability of the location and the nature of improvements in lakes and rivers, including their efficient and safe maintenance and operation.

Approval is required for the construction or alteration of a dam on any lake or river [p. 265]. The Minister may order the owner of a dam or other structure to repair, reconstruct or remove it.

The Act prohibits the deposition of any substance, refuse or matter of any kind into a lake or river, or on the shore.

**General
Description**

**Dam
Construction**

REFERENCE	SECTION	PAGE
		116



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 268	4.8.9	117

MINING ACT

This Act is the principal statute regulating mineral development in Ontario. The Act is divided into fourteen parts, all of which are administered by the Ministry of Natural Resources. The following is a summary of the principal requirements in the Act.

General Description

All individuals and companies operating in Ontario require a licence to prospect for minerals on Crown lands or lands on which the Crown holds mineral rights [p. 205]. The prospector's licence must be renewed annually to keep mining claims in good standing. A licensed individual is allowed to have unlicensed assistants to help stake a mining claim.

Prospecting

A licensed prospector (licensee) may stake out a mining claim on any land which is deemed to be open for prospecting, subject to the requirements of the Mining Act. Sections 30 to 39 of the Act outline the situations when lands are not open to prospecting. Prospecting on an Indian reserve is dealt with separately by the Indian Act [p. 169]. Prospecting is prohibited in Provincial Parks [p. 131].

The holder of a prospector's licence may obtain a boring permit to prospect for petroleum or natural gas [p. 217]. The Mining Act also deals with licences to explore for valuable minerals not in place (Section 116) and exploratory licences for paleozoic rock formations (Sections 117).

In unsurveyed territory, a mining claim must be a square of 40 acres with boundary lines running north-south and east-west. The steps and procedures for staking out a mining claim are outlined in Sections 47 to 66 of the Mining Act. Section III deals with places mining claims.

Mining Claims

Mining claims are invalid if staked out during the time that the region is closed under the Forest Fires Prevention Act [p. 109].

To record a mining claim, information must be provided to the mining recorder by the licensee within thirty-one days of the date of staking [p. 209]. Recording a claim initiates the process by which mining land or mining rights may be disposed of by the Crown.

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 268	4.8.9	118

MINING ACT (CONT'D)

Mining Claims (cont'd)

The holder of a mining claim does not have any right, title or claim to mineral rights or surface rights other than the right to enter upon, use and occupy such parts as are necessary for the purpose of prospecting and exploration.

Once a claim has been recorded, there are various conditions of work, as outlined in Sections 76 to 82 of the Act, which must be satisfied, to keep the claim in good standing. The work involves stripping, opening up mines, sinking shafts and other mining operations. The recorded holder of a mining claim must complete a Report of Work [p. 268].

Abandonment of Claim

A licensee may abandon a mining claim at any time by giving notice in writing to the Mining Recorder [p. 271].

Licence to Prospect by Technical Methods

In remote areas, where normal staking and assessment requirements are impractical, the prospector can apply for a licence to prospect under Section 200 [p. 213]. This licence has, in practice, applied to only a small number of situations in the province.

Title

Metal or minerals cannot be extracted for commercial purposes from land or mining rights not held under a form of title. There are three forms of title - licence of occupation, lease and patent.

Licence of Occupation

A licence of occupation, issued under subsection 190(2), is applied in special circumstances only [p. 215].

Lease for Mining Claim

Once the work requirements detailed in the Act have been satisfied, the holder of a mining claim is entitled to a twenty-one year mining lease of the claim [p. 269]. The application must be made no later than one year after the date that all work on the claim is required to be performed. Except in extraordinary circumstances, a claim must be brought to lease within 11 years or all rights or interests in the claim will be forfeited to the Crown.

Right to Patent

Where a holder of a lease can provide evidence that he is producing minerals in substantial quantities for more than one year, he is entitled to a patent of the lands or mining rights held under lease. A patent is a freehold grant.

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 268	4.3.9	119

MINING ACT (CONT'D)

Prior to the issuance of a lease or patent for a mining claim 'n unsurveyed territory, the land must be surveyed by Ontario land surveyor at the expense of the applicant.

**Survey
of Claim**

When the lessee or owner of the mining rights requires the use of surface rights lying within or outside the limits of the lands for which he has a lease, for purposes of disposal of tailings or waste material or for other mining purposes, the Minister may lease to him any available surface rights under Section 97.

**Surface
Rights**

Under Section 100, all patents or leases issued under this Act contain a reservation for road purposes. Ten percent of the surface rights of the land granted or leased shall be reserved for the Crown or its officers to lay out and construct roads when considered necessary. Existing roads are also protected.

Reservations

Crown timber is also reserved under the issue of any lease or patent subject to this Act, as is the right of a timber licensee to enter upon any leased or patented land to harvest the timber.

No person shall take or remove any stone or rock quarried for industrial or commercial purpose that is the property of the Crown unless he holds a quarry permit [p. 281]. Quarries on private land are governed by the Pits and Quarries Control Act [p. 127].

**Quarry
Permit**

Section 104 stipulates that all ores or minerals removed from lands patented or leased under the Mining Act, except for special exemptions made by the Lieutenant Governor in Council, shall be treated and refined in Canada.

**Domestic
Processing**

According to Section 161 of the Act, a mine manager must plant and maintain vegetation, or otherwise stabilize, the tailings areas which will not be required for future impoundment of tailings, to the satisfaction of the district engineer. A bond or security deposit, if considered necessary by the chief engineer of mines to complete rehabilitation, shall be deposited with the Ministry.

**Rehabilitation
of Tailings
Areas**

Under Section 165 of the Act, a licence is required to own or operate a refinery [p. 307].

**Refinery
Licence**

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 268	4.8.9	120

MINING ACT (CONT'D)

Statistical Returns

The owner of every mine, plant, pit, quarry or other works to which this Act applies is required to submit an annual statistical return [p. 245].

Mining and Lands Commissioner

Every claim, question or dispute in respect of any right, privilege or interest conferred by or under the authority of the Mining Act shall be determined by the Mining and Lands Commissioner. To quickly resolve most problems concerning rights and interests in mining claims, a mining recorder may hold hearings. Appeals are made to the Commissioner. Final appeals are made to the Supreme Court of Ontario.

Acreage Tax

A tax of \$.50 per acre is payable annually for any lands or mining rights held under patent.

Pending Legislation

The Mining Act is currently under review by a staff committee. Draft legislation is expected in the fall of 1984. A consensus has emerged for certain changes, while several other issues remain unresolved at this time. The following is a brief summary of the principal changes which appear likely to be recommended.

- (1) prospector's licence - a change in term from annual to lifetime
- (2) staking - a change in claim sizes from 16 hectares to any multiple of 16 hectares up to 256 hectares.
- (3) mining claims - the holder of a claim for mining rights will be required to give the surface rights owner 30 days notice prior to performing assessment work.
- (4) assessment work - a change in the credit standard from man-days to dollars.
- (5) lease - in lieu of applying for a lease, a claim holder may keep his claim in good standing by performing work.

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 268	4.8.9	121

MINING ACT (CONT'D)

(6) inactive mine hazards - provisions will be made for restricting use of surface rights over potentially unsafe inactive mine workings.

Pending
Legislation
(cont'd)

(7) annual rent - increased 5 times, but reduced 80% upon production.

REFERENCE	SECTION	PAGE
		122



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 269	4.8.10	123

THE MINING TAX ACT

The Mining Tax Act is a revenue statute which imposes taxes on the mineral producer for commercial extraction of a mineral substance. A mineral substance means every type of and kind of ore, rock and mineral, whether organic or inorganic, but does not include diatomaceous earth, limestone, marl, peat, clay, building stone, stone for ornamental or decorative purposes, non-auriferous sand or gravel, natural gas or petroleum, or sodium chloride recovered by the solution method [for aggregates and building materials see Pits and Quarries Control Act pg. 127].

General Description

No mineral substance, or any product thereof, can be shipped or removed by any person until the Mine Assessor has received a written notice of active operation from the mine operator [p. 305]. The Mine Assessor must also be notified of every change in the name or address of any operator, owner, holder, tenant and occupier of the mine.

Notice of Active Operation

Taxes accrue on the last day of the taxation year (fiscal year) and the estimated total amount must be paid to the Treasurer of Ontario no later than two months after the close of the taxation year. The mine operator must submit to the Mine Assessor a completed tax return within six months of the close of the taxation year. Any discrepancy between the return and previously submitted estimate must be paid with the return.

Tax Payment

The Ontario mining tax is a graduated tax, which is non-deductible for income tax purposes. Instead, the producer receives a resource allowance. The tax rate ranges from 0% on the first \$250,000 of mining profits to 30% on mining profits over \$20,000,000.

Tax Rate

Special consideration is given in the Mining Tax Act to iron, gypsum and uranium mines. Details are presented in the relevant sections of Regulation 639, R.R.O. 1980.

Special Consideration

Every mine operator must keep a complete set of books of account showing the quantity, weight, value, composition and other data of mineral substances raised. These books must be kept either near the mine site or at a location suitable to the Mine Assessor.

Accounting Records

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 269	4.8.10	124

THE MINING TAX ACT (CONT'D)

Accounting Records (cont'd)

The books must show the returns from the mill, smelter or refinery and all receipts derived and expenses incurred from the sale of the mine's output. The exact number and character of account books may be determined by the Mine Assessor.

Notice of Discontinuance

The mine operator must give prompt notification to the Mine Assessor of every discontinuance of active operation of the mine [p. 313].



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 346	4.8.11	125

ONTARIO MINERAL EXPLORATION PROGRAM ACT, 1980

The basic objective of OMEP is to offer incentives for the exploration of mineral resources in Ontario by providing part of the risk capital and by encouraging individuals and non-mining companies to invest in mineral exploration.

General Description

The legislative incentive program under the OMEP Act, introduced on September 1, 1980, is intended to bring new jobs and regional economic development, primarily to Northern Ontario.

To qualify for the incentives, individuals must be ordinarily resident in Canada; individuals must not be actively engaged in mineral production in Ontario; companies must not have conducted mining operations in Ontario for at least two preceding years; and individuals or companies must not be affiliated or associated with any person actively engaged in mineral production in Ontario. A foreign mining company not previously actively engaged in mineral production in Ontario can qualify under the program by incorporating a subsidiary in Canada that could qualify as a taxable Canadian Corporation. To have a project designated under this Act, the proponent must apply to the OMEP Administrator [p. 229].

Eligibility

The program allows individuals, partnerships and pension funds with 10% of their contributors in Ontario, a grant of 25% of eligible exploration expenses incurred in Ontario. Corporations and credit unions are eligible for a **25% tax credit** on eligible exploration expenses. Exploration companies which cannot use the tax credit may apply to the Ministry of Revenue to have the unused tax credit converted to a grant. Application for a grant or a certificate of entitlement for a tax credit must be made through the OMEP Administrator [p. 231].

Incentives

The maximum grant or tax credit for any OMEP program is \$500,000. The incentive is not recovered by the Ontario Government.

Under the OMEP program, individuals and non-mining companies are given approximately the same tax advantage on exploration expenditures as are now available to producing mining companies in Ontario.

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 346	4.8.11	126

ONTARIO MINERAL EXPLORATION PROGRAM ACT (CONT'D)

"Flow-through" Shares

When financing exploration programs in today's environment, it is essential to make full use of available tax incentives. However, mining companies, particularly junior mining companies, often have more tax deductions than they can use. The "flow-through" share provisions in the income tax rules provide a mechanism for transferring the benefit of exploration expense deductions from the corporation on whose properties the exploration is carried out to the investor (either individual or corporate) who finances the exploration program. Technically, the investor incurs exploration expenses in consideration for shares in the company. The flow-through share provisions provide an opportunity to raise the funds required for exploration by combining an equity investment with tax shelter benefits.



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 378	4.8.12	127

PITS AND QUARRIES CONTROL ACT

The Act regulates the operation of pits and quarries on private land and requires their rehabilitation, to provincial standards, through a licensing process. The intent is to minimize adverse effects on the environment and adjacent land uses while still maintaining the viability and competitiveness of the aggregate industry.

General Description

The Act applies only to private land in designated parts of the province which correspond to the urban areas in Ontario. These areas are primarily in Southern Ontario, with the exception of Sudbury and Sault Ste. Marie. Pits and quarries on Crown land are covered under the Mining Act [p. 119].

An application must be filed with the District office for a licence to open, establish or operate a pit or quarry [p. 277].

Licence

The licence of an operator of a pit or quarry is subject to an annual review to assess compliance with the Act, the regulations and the terms and conditions of the licence.

Wayside pits and quarries, opened by a public road authority for a particular project or contract of road construction, require a permit for which there is a simplified approval process [p. 283].

Wayside Pits and Quarries

The Act requires the operator of a pit or quarry to pay the Province a rehabilitation security deposit of 8 cents per tonne of material removed. Payment into the fund must continue until a minimum of \$1,000/hectare of land needing rehabilitation has been paid. It is to the producer's advantage to undertake progressive rehabilitation of the disturbed area. If progressive rehabilitation is not undertaken, payment into the fund must continue to a maximum of \$3,000/hectare. The fund is intended as security against the failure of a producer to rehabilitate the land. If rehabilitation is not completed to the Ministry's satisfaction, the money remaining in the fund is forfeited.

Rehabilitation Security Deposit

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 378	4.8.12	128

PITS AND QUARRIES CONTROL ACT (CONT'D)

Planning Policy

The Planning Act gives a municipality the authority to create an Official Plan and zoning by-laws. It is through these two mechanisms that a municipality can control where and how pits and quarries are established. Under the Pits and Quarries Control Act, no licence will be issued for a pit or quarry which would be in contravention of a municipal by-law. Recognizing a need for coordination between governments with respect to aggregate resources, Cabinet approved the Mineral Aggregate Resource Planning Policy (see next page) and a revision to the Food Land Guidelines Policy [p. 71]. It is anticipated that these policies will soon be issued as policy statements under the Planning Act to provide direction to municipalities for the planning of mineral aggregate resources.



REFERENCE	SECTION	PAGE
	4.8.13	129

MINERAL AGGREGATE RESOURCE PLANNING POLICY

This policy, approved by Cabinet in December, 1982, was designed to provide direction to municipalities for the planning of mineral aggregate resources through the municipal planning process under the Planning Act. The major objectives of the policy can be summarized as follows:

- (a) to protect existing pits and quarries through municipal official plans and zoning by-laws;
- (b) to ensure the availability of adequate mineral aggregate resources to meet long-term needs;
- (c) to require official plans to provide a fair process for considering the establishment of new pits and quarries;
- (d) to permit wayside pits and quarries without requiring an official plan amendment and, generally, without re-zoning; and
- (e) to establish rehabilitation policies in official plans.

REFERENCE	SECTION	PAGE
		130



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 401	4.8.14	131

PROVINCIAL PARKS ACT

Except in special circumstances, as outlined below, prospecting, the staking out of mining claims, the development of mineral interests or the working of mines in provincial parks is prohibited. The Act gives Cabinet the authority to make regulations controlling prospecting, the staking of claims, the development of mineral interests and the working of mines in Provincial Parks. However, no such regulations have been made.

General Description

A licence of occupation may be issued to the recorded holder of a lawfully staked mining claim in a provincial park. O. Reg. 345/83 names parks where mineral exploration and development will be allowed under this form of title which is covered by section 190(2) of the Mining Act.

Licence of Occupation

The recorded holder of a mining claim or the holder of a licence of occupation does not acquire any right, title or interest in or to the surface rights in the land.

No Surface Rights

Where it is necessary to interfere with the surface rights in any such land in order to carry on mining operations, the district manager or superintendent in charge of the provincial park may permit such interference as he considers necessary.

In June, 1983, the Minister released Ontario's land use planning guidelines which included 155 recommended park candidates. A candidate park is an area of Crown land which is intended for Provincial Park status. The park candidates recommended in June, 1983, are expected to become Provincial Parks by June, 1986.

Candidate Parks

Mineral exploration and development is allowed in 46 of the proposed new parks, on land comprising about 80 percent of the total.

REFERENCE	SECTION	PAGE
		132



Ontario

Ministry of
Natural
Resources

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 413	4.8.15	133

PUBLIC LANDS ACT

The Act is concerned with the management, sale and disposition of public lands. Within public lands, the Minister may define zones as open, deferred, or closed for disposition. The Public Lands Act and the Mining Act are two acts under which title to land can be obtained. Crown lands which are granted for mining purposes are usually dealt with under the Mining Act [p. 117].

General Description

By O. Reg 688/76, the district manager may issue land use permits allowing for short-term occupation of public land [p. 225].

Land Use Permits

REFERENCE	SECTION	PAGE
		134



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 533	4.8.16	135

WILDERNESS AREAS ACT

The Lieutenant Governor in Council may set apart any public lands as wilderness areas for preservation in their natural state, protection of flora and fauna or improvement of the area.

General Description

Nothing in this Act or the regulations pursuant to it limits or affects the development or utilization of the natural resources in any wilderness area more than 640 acres in size.

Regulation 946 sets out wilderness areas. The following have an area of less than 640 acres:

Designated Wilderness Areas

<u>Wilderness Area</u>	<u>Location</u>
Hilton Township	Algoma District
Michipicoten	Algoma District
New Brunswick House	Algoma District
Old Brunswick House	Algoma District
Abitibi Lake	Cochrane
Old Fort Albany	Cochrane
Sankey Township	Cochrane
Kiskebus Lake	Frontenac County
Tickell	Hastings
Derby Lake	Kenora District
Echo Township	Kenora District
Jones Road	Kenora District
Massacre Island	Kenora District
Sioux Mountain	Kenora District
Sutton Lake Gorge	Kenora District
White Otter Lake	Kenora District
Rondeau	Kent County
Pinery	Lambton
Crater Lakes	Manitoulin District

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 533	4.8.16	136

WILDERNESS AREAS ACT (CONT'D)

Designated Wilderness Areas (Cont'd)

<u>Wilderness Area (cont'd)</u>	<u>Location (cont'd)</u>
McCrae Lake	Muskoka District
Turkey Point	Norfolk County
Presqu'ile Islands	Northumberland County
Blair Township	Parry Sound District
Timber Island	Prince Edward County
Shoal Lake	Rainy River District
Eighteen Mile Island	Sudbury District
Fairey Point	Sudbury District
Whitefish Falls	Sudbury District
Agate Island	Thunder Bay District
Bat Cave	Thunder Bay District
Ganly Harbour	Thunder Bay District
Outer Barn Island	Thunder Bay District
Richardson Harbour Island	Thunder Bay District
Sleeping Giant	Thunder Bay District
Lac La Croix	Thunder Bay District

**MINISTRY OF
REVENUE**



Ontario

Ministry
of
Revenue

REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 31 1981 c.47 1982 c.405 S.3 c.56	4.9.1	137

ASSESSMENT ACT

As defined in this Act, "land" includes all mines, minerals and quarries in or under land, as well as buildings and structures upon, in, over or under the land.

General Description

In general, all real property in Ontario is liable to assessment and taxation. However, there are numerous exclusions from taxation including buildings, plant and machinery under or on mineral land to the extent that they are used for mining. All minerals other than peat or aggregates are exempt.

Every person or corporation carrying on the business of obtaining minerals from the ground is assessed (for business assessment) an amount equal to 60% of the assessed value of the land.

REFERENCE	SECTION	PAGE
		138



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 399 1982 c.18	4.9.2	139

PROVINCIAL LAND TAX ACT

As defined in this Act, "land" includes all mines, minerals and quarries in or under land, as well as buildings, structures upon, in, over or under the land.

General Description

In general, land situated in territory without municipal organization is liable to assessment and taxation. Land liable for acreage tax under the Mining Act is exempt from land tax. This exemption does not apply if the mining land, or any part of it, is used for any purpose other than mining.

REFERENCE	SECTION	PAGE
		140

**MINISTRY OF
TOURISM
AND RECREATION**



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 199	4.10.1	141

HISTORICAL PARKS ACT

Subject to Regulation 498, prospecting, the staking out of a claim, the development of mineral interests or the working of mines in historical parks is generally prohibited.

A licence of occupation may be issued under the regulations to the recorded holder of a lawfully staked mining claim in a historical park.

There are only two historical parks in Ontario:

1. Sainte-Marie Among the Hurons
2. Old Fort William

The staker or recorded holder of a mining claim or the holder of a licence of occupation issued to the recorded holder of a mining claim does not acquire any right, title or interest in or to the surface rights in the land.

Where it is necessary to interfere with the surface rights in any such land in order to carry on mining operations, the district manager or superintendent in charge of the historical park in which the land is situated may permit such interference with the surface rights as he considers necessary.

**General
Description**

**Licence of
Occupation**

**No Surface
Rights**

REFERENCE	SECTION	PAGE
		142

**MINISTRY OF
TRANSPORTATION
AND
COMMUNICATIONS**



REFERENCE	SECTION	PAGE
R.S.O. 1980 Chap. 49	4.11.1	143

BRIDGES ACT

This Act applies to every stream or river where its bed is vested with the Crown and every place upon a river or stream where the Province is a riparian owner.

General Description

No bridge or other structure shall be built, placed or constructed over or across any river or stream or part thereof, nor can a structure be rebuilt, replaced or altered without the approval of the Lieutenant Governor in Council [p. 251].

Bridge Approval

For a bridge on private property, a mining company is not required to have the plans approved. However, the bridge plans must be registered with the Lieutenant Governor in Council.

REFERENCE	SECTION	PAGE
		144

REFERENCE	SECTION	PAGE
	50	145

5. FEDERAL STATUTES

This chapter is designed to provide the reader with an overview of the federal statutes and policy guidelines which affect mineral development.

Section 5.1 provides a brief review of federal statutes which are only generally applicable to the mining industry. The remaining sections summarize the legislation and government policy of each Department or Agency with an interest in mining activities.

A general description of the purpose and relevance of each statute or guideline is provided. Particular requirements (licensing, submissions, etc.) are only briefly referenced in this section. Details of each requirement are outlined, by mine phase, in Chapter 6. The licences and submission which are described in Chapter 6 are cross-referenced in this chapter by square brackets [].

REFERENCE	SECTION	PAGE
		146

**GENERALLY
APPLICABLE
STATUTES**

GENERALLY APPLICABLE FEDERAL STATUTES

REFERENCE	SECTION	PAGE
	5.1	147

STATUTE	GENERAL DESCRIPTION	MINISTRY OR AGENCY
Canada Corporations Act	The Canada Corporations Act regulates the formation and general practices of corporations operating in Canada including powers, shareholders' rights, officers and record keeping. The purposes of this Act are to revise and reform the law applicable to business corporations incorporated to carry on business throughout Canada, to advance the uniformity of business corporation law in Canada, and to provide a means of allowing an orderly transference of certain federal companies incorporated under various Acts of Parliament to this Act.	Consumer and Corporate Affairs Canada
Canada Business Corporations Act	The main purpose of the Canada Water Act is to provide for the management of water resources in Canada through joint Federal-Provincial activities. Under this Act, water resource management areas can be established and activities in these areas strictly controlled. However, no such area has yet been established and there are no regulations under this Act. The management of water resources is primarily a matter of concern to the Province [p. 87].	Consumer and Corporate Affairs Canada
Canada Water Act	This Act provides for the investigation of combines, monopolies, trusts and mergers.	Environment Canada Act
Combines Investigation Act		Consumer and Corporate Affairs Canada

REFERENCE	SECTION	PAGE
	5.1	148

GENERALLY APPLICABLE FEDERAL STATUTES

STATUTE	GENERAL DESCRIPTION	MINISTRY OR AGENCY
Corporations and Labour Unions Returns Act	This Act requires the reporting of financial and other statistics relating to the affairs of corporations and labour unions carrying on activities in Canada.	Consumer and Corporate Affairs Canada
Customs Act	The Customs Act is not a taxing statute but provides the legislative authority for administration and enforcement that is required to collect duties and taxes imposed on imports under the Customs Tariff Act, Excise Tax Act, Excise Act and the Anti-dumping Act. The Act also serves to control the movement of goods into and out of Canada and lends administrative support to other statutes that regulate the import and export of goods.	Revenue Canada (Customs and Excise)
Environmental Contaminants Act	The Environmental Contaminants Act regulates the usage of chlorobiphenyls and mirex in any commercial, manufacturing or processing activity. This Act would apply only in situations where PCB's are used in heat transfer systems or as working fluid in hydraulically-operated equipment.	Environment Canada

GENERALLY APPLICABLE FEDERAL STATUTES

REFERENCE	SECTION	PAGE
	5.1	149

STATUTE	GENERAL DESCRIPTION	MINISTRY OR AGENCY
Export and Import Permits Act	The Act provides for the control of the export and import of strategic goods for reasons of national security or to implement an intergovernmental arrangement.	Industry, Trade and Commerce
International River Improvements Act	No person shall construct, operate or maintain a work which alters the natural flow of an international river without a licence.	Environment Canada
International Boundary Waters Treaty Act	No obstructions or diversions, whether temporary or permanent, of boundary waters affecting the natural level or flow shall be made without approval from the International Joint Commission.	External Affairs
National Parks Act	The National Parks Act prohibits commercial exploration, extraction, or development of natural resources within a national park. There are only four national parks in Ontario, none with significant mineral potential.	Indian and Northern Affairs Canada
Unemployment Insurance Act	This Act requires employers to make payments to the Unemployment Insurance Commission for each of its employees.	Employment and Immigration Canada

REFERENCE	SECTION	PAGE
		150

ATOMIC ENERGY CONTROL BOARD



REFERENCE	SECTION	PAGE
R.S.C. 1970 Chap. A — 19	5.2.1	151

ATOMIC ENERGY CONTROL ACT

The Atomic Energy Control Act, passed in 1946, regulates the development and use of atomic energy. The Atomic Energy Control Board, created under the authority of the Act, is empowered to make regulations for:

General Description

- (1) developing, controlling, supervising and licensing the production, application and use of atomic energy;
- (2) controlling the mining, processing and development of prescribed substances; and
- (3) regulating the production, import, export, transportation, refining, ownership, use or sale of prescribed substances.

In order to exercise its regulatory role, it is necessary for the Board to define standards that must be met, to assess a potential licensee's capabilities to meet these standards and assure their maintenance and, once a licence is issued, to carry out compliance inspections to ensure that its requirements are continually met.

As a number of government agencies, both Federal and Provincial, have an interest in the mining of uranium and thorium, the regulatory process is a co-operative one. The AECB plays a leading role, consulting with the Provincial Ministries of Labour, Environment and Natural Resources, and the Federal Departments of Labour and Environment throughout all phases of the licensing process.

An Ore Removal Permit [p. 237] is required if removal of uranium or thorium in excess of 10kg in a concentration exceeding .05% grade in one calendar year is involved. This permit is usually, but not necessarily, the first stage in licensing a project.

Ore Removal Permit

An Underground Exploration Permit [p. 239] is required when significant excavation work, surface or underground, is contemplated, and if there is a likelihood of exposure of workers to radiation or any environmental impact. At this stage, an environmental impact overview is prepared and a public information process is instituted.

Underground Exploration Permit

REFERENCE	SECTION	PAGE
R.S.C. 1980 Chap. A - 19	5.2.1	152

**Letter of
Intent**

The AECB is to be notified as soon as there is any intent to develop a uranium mine-mill facility [p. 242].

**Development
Approval**

Once the public information process has been completed and a detailed environmental statement has been reviewed, site development and construction approvals are issued [p. 291]. The conceptual design of the facility is approved first. The detailed design is approved through a continuous review process, as it becomes available during construction.

**Operating
Licence**

The operation of a facility in which mining and milling of uranium or thorium occurs requires a Mining Facility Operating Licence [p. 309]. This licence covers activities involved in excavation, removal and storage of ores, physical concentration and the production concentrates by chemical means.

Decommissioning

Approval from the AECB must be obtained prior to decommissioning of the mine-mill facilities [p. 321]. Provisions for decommissioning must be made well in advance of the termination of mining and milling activities.

Foreign Sales

All foreign sales contracts for uranium must be approved by the Government of Canada.

**Uranium
Transfers**

All transfers of uranium concentrates must be to authorized consignees only and such transfers must be reported to the AECB.

**CONSUMER
AND CORPORATE
AFFAIRS**

REFERENCE	SECTION	PAGE
R.S.C. 1970 Chap. P - 19	5.3.1	153

PRECIOUS METALS MARKING ACT

A mark of quality may be applied to an article if it consists of precious metal. Gold, palladium, platinum and silver are considered precious metals.

General Description

Where an article of precious metal is manufactured in Canada, a national mark consisting of a maple leaf surrounded by the letter "C" may be applied.

The Governor in Council may make regulations concerning:

- (a) designation of articles,
- (b) designation of metals as precious,
- (c) prescribing quality marks, and
- (d) establishing minimum precious metal contents.

REFERENCE	SECTION	PAGE
		154

ENERGY, MINES AND RESOURCES



REFERENCE	SECTION	PAGE
R.S.C. 1970 Chap E-15 1974-75 c. 60	541	155

EXPLOSIVES ACT

The Explosives Act is designed to control the packaging, storage, transportation, importation and sale of explosives. The Regulations for Mines and Mining Plants pursuant to the Occupational Health and Safety Act [p. 96] apply to the use and storage of explosives at mine sites.

General Description

Under the Explosives Act, a permit is required to transport more than 2000 kg. of explosives [p. 221], and to import explosives [p. 219]. Written permission is required for the assembling and blending of ammonium nitrate and fuel oil in open pits and quarries. To store explosives at a mine site, covered under the Occupational Health and Safety Act, requires a licence for a magazine [p. 223]. The licence for a magazine also serves as an explosives purchase and possession permit. If a magazine is not required, the mine operator receives an explosive purchase and possession permit from the vendor who sells the explosives.

Permits

Under the Explosives Act, the minimum legal requirements for storing explosives without a licence include:

Minimum Requirements for Storage

- (1) the amount is not to exceed 75 kg. of dynamite and 100 detonators;
- (2) the building or receptacle must be detached from a dwelling and from a street or public place by at least 25 metres;
- (3) the building or receptacle must be of substantial construction, fire resistant, securely locked and marked "EXPLOSIVES"; and
- (4) dynamite and detonators must never be stored together.

The minimum legal requirements for transporting explosives without a permit include:

Minimum Requirements for Transporting

- (1) the amount must be less than 2000 kg;

REFERENCE	SECTION	PAGE
R.S.C. 1970 Chap. E-15 1974- 75 c.60	5.4.1	156

EXPLOSIVES ACT (CONT'D)

- (2) the vehicle must be in suitable mechanical condition for the safe transportation of explosives. The brakes, tires, steering, exhaust system, electrical system and fuel system should be checked daily;
- (3) warning signs with letters 15 cm. high must be visible from 4 directions for vehicles carrying over 25 kg. of explosives;
- (4) never transport explosives in contact with metal tools or a steel truck box;
- (5) never transport dynamite and detonators together unless separated by the equivalent of a 15 cm. wood partition;
- (6) always have a 5-B:C fire extinguisher available;
- (7) keep the explosives covered, locked and secure at all times; and
- (8) no smoking.



REFERENCE	SECTION	PAGE
R.S.C. 1970 Chap. R-7	5.4.2	157

RESOURCES AND TECHNICAL SURVEYS ACT

The Act outlines the responsibilities of the Minister with respect to the collection and publication of statistics on mining activity and the production of technical surveys of mineral resources.

General Description

The Minister is required to:

Duties of the Minister

- (a) collect and publish full statistics of the mining activities in Canada;
- (b) make investigations to determine the extent and character of the ore bodies and deposits of economic minerals;
- (c) make a survey of the geological structure and mineralogy of Canada; and
- (d) collect and prepare for exhibition specimens of the different ores and associated rocks and minerals of Canada.

In carrying out his responsibilities, the Minister may cooperate with the provinces and the municipalities. The collection of statistics in Ontario is carried out by the Ontario Ministry of Natural Resources [see Mining Act, Page 120 and Annual Statistical Returns, Page 245].

REFERENCE	SECTION	PAGE
		158

**ENVIRONMENT
CANADA**



REFERENCE	SECTION	PAGE
R.S.C. 1970-71-72 c. 47	5.5.1	159

CLEAN AIR ACT

The Clean Air Act represents a Federal initiative in the areas of ambient air quality and air pollution control. In general, the standards set in this Act for acceptable and desirable air quality requirements are less stringent than those set by the Province of Ontario.

General Description

Regulation SOR/76-464 stipulates that the quantity of particulate matter emitted into the ambient air by a secondary lead smelter shall not exceed .046 grams per normal cubic metre from operations involving the use of blast furnaces, cupolas or reverberatory furnaces, or .023 grams per normal cubic metre from operations involving the use of holding furnaces, kettle furnaces, or lead oxide production units or involving scrap and material handling, crushing, furnace topping, furnace slagging or furnace cleaning.

Lead Smelters

Emissions are measured dry and undiluted and in accordance with the method described in Department of the Environment Report EPS 1-AP-74-1 (February, 1974).

The concentration of asbestos fibres contained in gases emitted to the ambient air at a mine or mill from crushing, drying or milling operations, or from dry rock storage, shall not exceed two asbestos fibres per cubic centimetre of the gases. An asbestos fibre is a fibre of asbestos with a length of more than five millimeters and a ratio of length to breadth of three to one, or more.

Asbestos Mining

Emissions are measured dry and undiluted and in accordance with the appropriate method as described in Department of the Environment Report EPS 1-AP-75-1 (December, 1976).

When necessary, the Minister may request the mine operator to submit reports on emission measurements, malfunctions or breakdowns and controls.

The Minister may request information on any metallurgical work, undertaking or business where arsenic releases to the ambient air are anticipated. Regulations concerning arsenic emissions from gold roasting operations are currently being drafted.

Arsenic Emissions

REFERENCE	SECTION	PAGE
		160



REFERENCE	SECTION	PAGE
R.S.C. 1970 c. 17 1974-75 c. 48 1976-77 c.35 1978-79 c.11 1980-81 c.47	5.5.2	161

FISHERIES ACT

The intent of the controls issued under the Fisheries Act is to protect fish and other aquatic life from the discharge of deleterious substances in effluents from base metal, uranium and iron ore mines. The controls embodied in the regulations and guidelines apply across Canada as baseline standards. Provincial and local governments may impose more stringent standards which would prevail.

General Description

The aim of these regulations and guidelines is to ensure that operating mines apply "best practicable technology" to the control of their liquid effluents. In most operations, best practicable technology will consist of appropriate pH adjustment of effluents followed by adequate removal of tailings and metallic precipitates by sedimentation. Treatment techniques are described in the Environmental Protection Service Publication EPS 3-WP-75-5, "Mine and Mill Wastewater Treatment."

Purpose

In order to reduce gross pollution as quickly as possible, the Environmental Protection Service has opted for control of pollution from the source. The controls have been based on the application of "best practicable technology". Effluent quality standards reflecting best practicable technology were determined on the basis of recommendations of a joint public-private sector task force.

The Metal Mining Liquid Effluent Regulations (SOR/77-178) are applicable to every new, reopened or expanded metal mine, except gold mines.

Regulations

The regulations classify the following as deleterious substances:

- (a) Arsenic
- (b) Copper
- (c) Lead
- (d) Nickel
- (e) Zinc
- (f) Total suspended matter
- (g) Radium 226

Subject to the regulations, the operator of a mine may deposit a deleterious substance in any quantity or concentration into a tailings impoundment area designated by the Minister.

Tailings

REFERENCE	SECTION	PAGE
R.S.C. 1970 c. 17 1974-75 c. 48 1976-77 c. 35 1978-79 c. 11 1980-81 c. 47	5.5.2	162

FISHERIES ACT (CONT'D)

Tailings (cont'd)

No designation is required for tailings areas which do not contain water frequented by fish. However, if the effluent from such tailings area is being deposited in water frequented by fish, it must conform to the requirements stipulated in the regulations.

Limits

Schedule 2, shown below, lists the numerical limits for deleterious substances being deposited into water frequented by fish. The limits for the deleterious substances other than Ra 226 are expressed in terms of "total metal" concentrations which include these metals in both their dissolved and solid forms. In the case of Ra 226 the metal parameter has been set as a soluble form.

SCHEDULE 1 PART I

Authorized Levels of Substances

Item	Substance	Column I	Column II	Column III
		Maximum Authorized Monthly Arithmetic Mean Concentration	Maximum Authorized Concentration in a Composite Sample	Maximum Authorized Concentration in a Grab Sample
1.	Arsenic	0.5 mg/l	0.75 mg/l	1.0 mg/l
2.	Copper	0.3 mg/l	0.45 mg/l	0.6 mg/l
3.	Lead	0.2 mg/l	0.3 mg/l	0.4 mg/l
4.	Nickel	0.5 mg/l	0.75 mg/l	1.0 mg/l
5.	Zinc	0.5 mg/l	0.75 mg/l	1.0 mg/l
6.	Total Suspended Matter	25.0 mg/l	37.5 mg/l	50.0 mg/l
7.	Radium 226	10.0 pCi/l	20.0 pCi/l	30.0 pCi/l

Authorized Levels of pH

PART 2

Parameter	Column I	Column II	Column III
	Maximum Authorized Monthly Arithmetic Mean pH	Maximum Authorized pH in a Composite Sample	Maximum Authorized pH in a Grab Sample
pH	6.0	5.5	5.0



REFERENCE	SECTION	PAGE
R.S.C. 1970 c.17 1974-75 c. 48 1976-77 c. 35 1978-79 c.11 1980-81 c.47	5.5.2	163

FISHERIES ACT (CONT'D)

The operator of a mine must maintain facilities for the purpose of taking and analyzing sample of effluents and he must file monthly reports with the Regional Director [p. 303].

**Water
Sampling
and
Analysis**

The "Guidelines for the Control of Liquid Effluents from Metal Mines" contain the same limitations for existing mines as are specified by the regulations for new, reopened and expanded mines. The guidelines provide flexibility for the Ministry and mine operators to negotiate and implement a compliance schedule.

Guidelines

A second set of guidelines, "Guidelines for the Measurement of Acute Lethality in Liquid Effluents from Metal Mines", relates to the acute lethality of an effluent to a species of test fish, and applies to every metal mine except gold mines.

The "Environmental Code of Practice for Mines" is an expression of what the Environmental Protection Service feels is good practice in the design and operation of a plant in order to minimize water pollution.

REFERENCE	SECTION	PAGE
		164



REFERENCE	SECTION	PAGE
R.S.C. 1973-74 c.21	553	165

CANADA WILDLIFE ACT

The Minister is authorized to purchase or lease any lands for the purposes of research or conservation in respect of migratory birds or other wildlife.

General Description

In any designated national wildlife area, no person shall:

- damage vegetation,
- use any vehicles,
- carry on a commercial or industrial activity,
- disturb any soil, sand or gravel, or
- dump waste material.

The following are national wildlife areas in Ontario:

National Wildlife Areas

- | | |
|--------------------------|--|
| 1. Big Creek | Haldimand - Norfolk
Regional Municipality |
| 2. Eleanor Island | Muskoka Township |
| 3. Long Point | Norfolk County |
| 4. Mississippi Lake | Lanark County |
| 5. Mohawk Island | Haldimand County |
| 6. Prince Edward Point | Prince Edward County |
| 7. St. Clair | Kent County |
| 8. Scotch Bonnett Island | Prince Edward County |
| 9. Wellers Bay | Prince Edward County |
| 10. Wyemars | Simcoe County |

REFERENCE	SECTION	PAGE
		166

**FOREIGN
INVESTMENT
REVIEW AGENCY**



REFERENCE	SECTION	PAGE
R.S.C. 1973-74 c. 46	56.1	167

FOREIGN INVESTMENT REVIEW ACT

The Act provides a mechanism to screen certain foreign direct investment proposals to determine whether or not those investments are likely to be of significant benefit to Canada. The Foreign Investment Review Act applies to two, and only two, forms of foreign investment.

General Description

- (a) the acquisition of control of a Canadian business by foreign individuals, corporations, governments or groups containing foreign members, through the acquisition of shares or of the property used in carrying on the business; and
- (b) the establishment of a new business in Canada either by foreign persons who do not already have an existing business in Canada, or by foreign persons who have an existing business in Canada, if the new business or expansion is unrelated to the existing business.

The Act requires that FIRA be notified of any investment proposal which falls into the categories described above. The applicant must complete and submit the appropriate form to the Commissioner of FIRA [p. 183].

Application

With the general objective of encouraging corporate behaviours consistent with Canada's economic goals, the Government issued, in July, 1975, the Principles of International Business Conduct which stress certain operating guidelines for foreign-controlled companies.

Guidelines

REFERENCE	SECTION	PAGE
		168

INDIAN AND NORTHERN AFFAIRS



REFERENCE	SECTION	PAGE
R.S.C. 1970 c. I-6	5.7.1	169

INDIAN ACT

The Act provides for the regulation of access to Indian lands and the development of mineral resources on these lands. However, the Act is not directly related to mining activities themselves.

General Description

To acquire a licence to prospect, or a permit for exploration and development, it is necessary to receive Band Approval [p. 207]. A person must obtain this approval prior to entering a reserve, otherwise he is liable for trespassing.

Band Approval

Mineral rights are obtained by means of a "mineral surrender" [p. 259]. The word "surrender" is the most appropriate legal term to define the consent of a Band with respect to mineral exploration and exploitation on its reserve. Mineral surrender is not required to obtain a prospecting licence, but it is necessary when a third party (usually a company) is interested in acquiring the rights to minerals underlying Indian Reserves for exploration and, if favourable, development and production.

Mineral Surrender

Once the mineral surrender procedure is completed, the regulations provide for the disposition of minerals by either tender or negotiated agreement.

Disposition of Minerals

The minerals are then acquired through the granting of permits and/or lease [p. 261]. A permit is usually granted first and covers large tracts of land for exploration.

Mining Permits and Leases

A permit is required to remove sand, gravel and similar non-metallic substances from Indian lands [p. 287]. The removal of aggregates does not require a mineral surrender.

Aggregates

The mining company must notify the Director, Indian Minerals (East) when production commences [p. 301], and when a production is halted [p. 315].

Notification

REFERENCE	SECTION	PAGE
		170

**TRANSPORT
CANADA**

5.8



TRANSPORT
CANADA

REFERENCE	SECTION	PAGE
R.S.C. 1970 Chap N-19	5.8.1	171

NAVIGABLE WATERS PROTECTION ACT

No work may be undertaken affecting navigable waters unless approved by the Minister [p. 247]. The term "navigable waters" includes any body of water created or altered as a result of the construction of any work. The term "work" includes any bridge, boom, dam, wharf, dock, pier, tunnel, pipe or any dumping of fill or excavation of materials from the bed of navigable water or anything affecting navigation.

General Description

The Act stipulates that no person shall deposit any material or rubbish into navigable water that is liable to interfere, in any way, with the navigation on navigable water or any water that flows into navigable water.

REFERENCE	SECTION	PAGE
		172

REFERENCE	SECTION	PAGE
	6.0	173

6. LICENCES AND REQUIREMENTS

This chapter is designed to provide the reader with a description of the licences, submissions, approvals and other requirements which relate to each phase of mining activity from prospecting through to mine abandonment. Accordingly, the chapter is organized by mine phase. For each licence or requirement described, the relevant statute is listed, a key contact person is stated and a general description of the item's purpose and nature is provided. In the event a key contact person listed is in a regional or district office, the reader should refer to Chapter 3 to find a list of offices for relevant Ministries.

Where possible, the timing and order of procedure for obtaining a licence or approval is described. When appropriate, sample application forms have been presented. The individual licences and requirements are cross-referenced to the relevant statute described in Chapter 4 or 5.

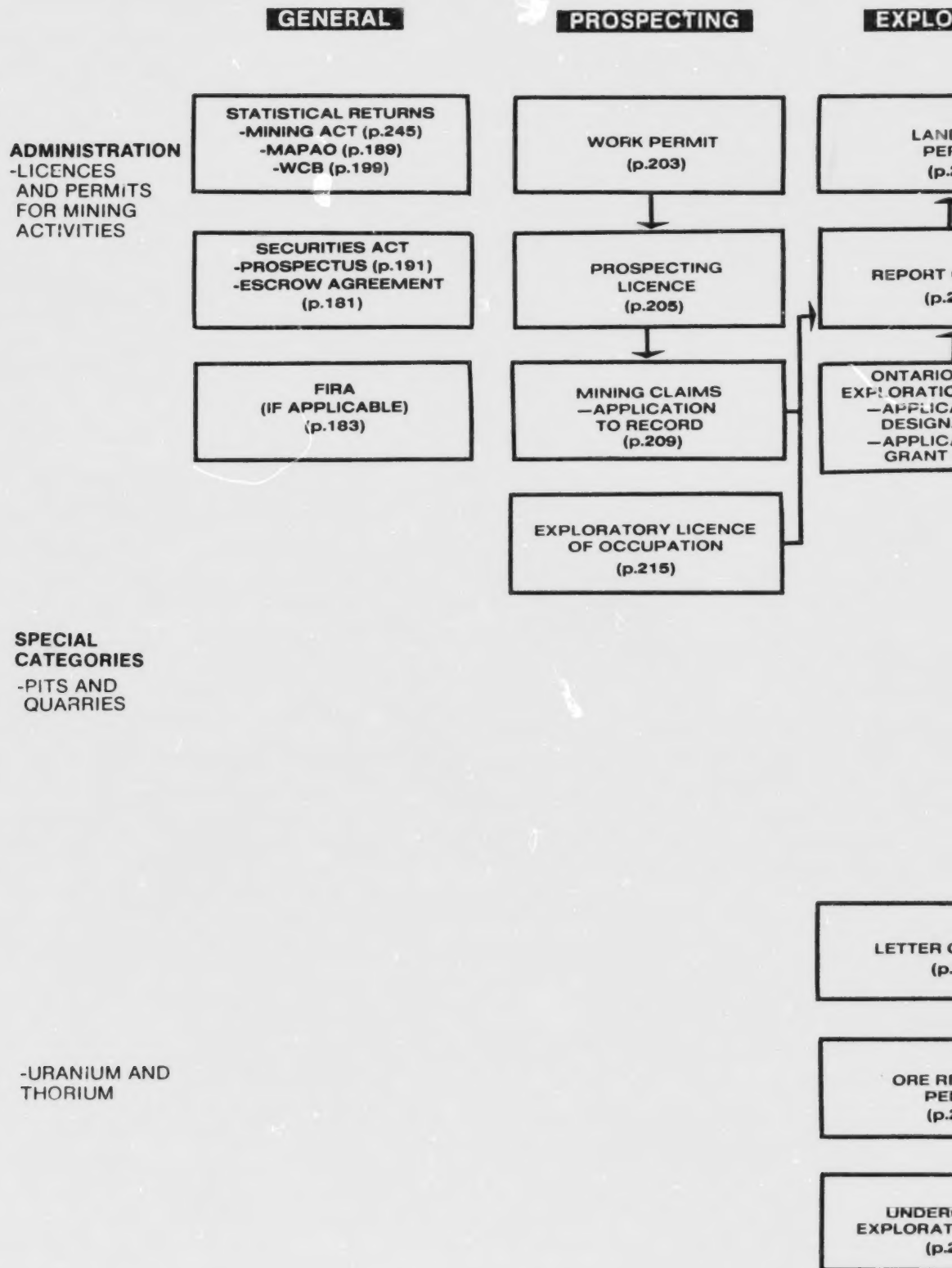
REFERENCE	SECTION	PAGE
	6.1	174

6.1 OVERVIEW OF LICENSING PROCEDURES

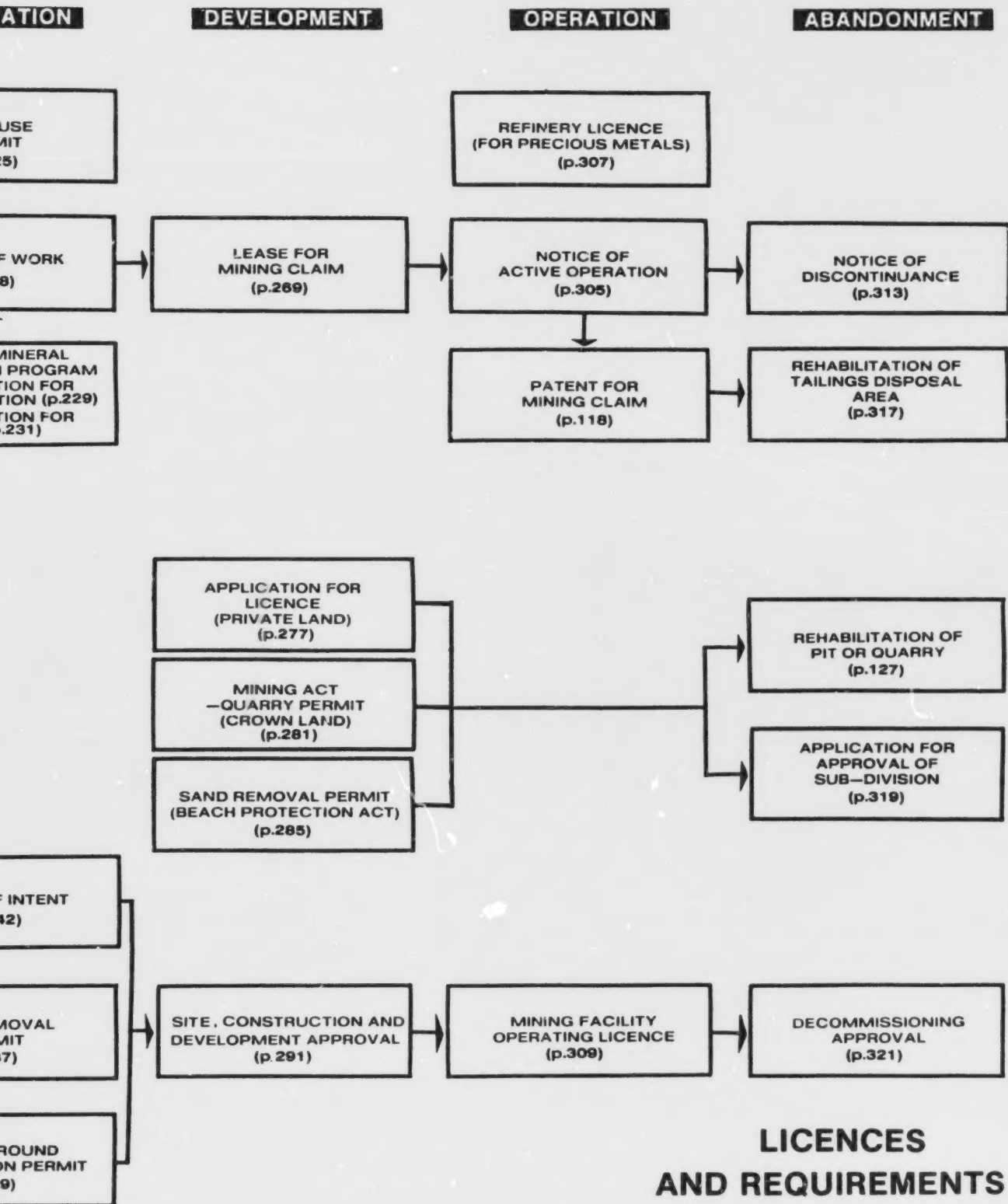
Licences and approvals required can vary widely from one mining company to another. The legal requirements which affect a particular company depend upon the nature of the particular project involved and several characteristics of the company itself. Because of the diverse nature of mining activities there is no easy method of outlining the entire range of requirements for all mining companies.

The licences and approvals tend to group around types of mining activity (quarrying or uranium mining, for example) and particular issues or topics (environmental concerns or administrative requirements, for example). The flow charts which appear on the following pages show the major licences and approvals required through all phases of mine development for selected mining activities and topics.

LICENCES AND REQUIREMENTS



REFERENCE	SECTION	PAGE
	6.1	175



LICENCES AND REQUIREMENTS

GENERAL

PROSPECTING

EXPLO

ENVIRONMENTAL CONCERNS

WORK PERMIT
(p.203)

FOREST TRAVEL
PERMIT
(p.187)

FIRE PERMIT
(p.185)

WATER POLLUTION
—NOTICE OF
UNPLANNED DISCHARGE
(p.87)

WASTE
SITE AR
(p.)

HEALTH AND SAFETY

MINING ACCIDENT
ASSOCIATION
—STATISTICAL RETURN
(p.189)

REPORT OF ACCIDENT
—OCCUPATIONAL HEALTH
AND SAFETY ACT
(p.197)

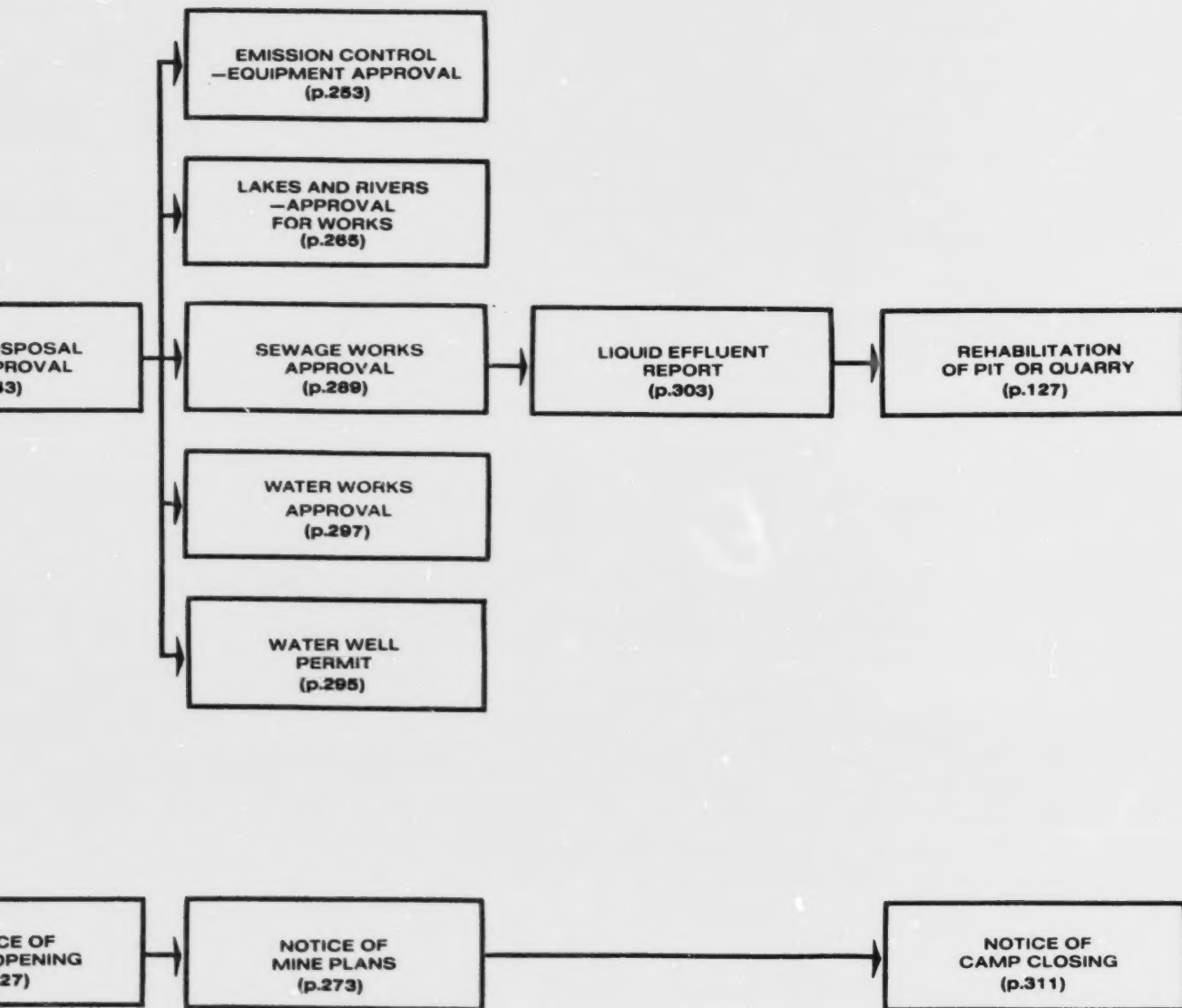
WORKER'S
COMPENSATION BOARD
—REPORT OF ACCIDENT
(p.201)

WORKER'S
COMPENSATION BOARD
—ANNUAL REPORT
OF EARNINGS
(p.199)

NOT
CAMP
(p)

REFERENCE	SECTION	PAGE
	6.1	177

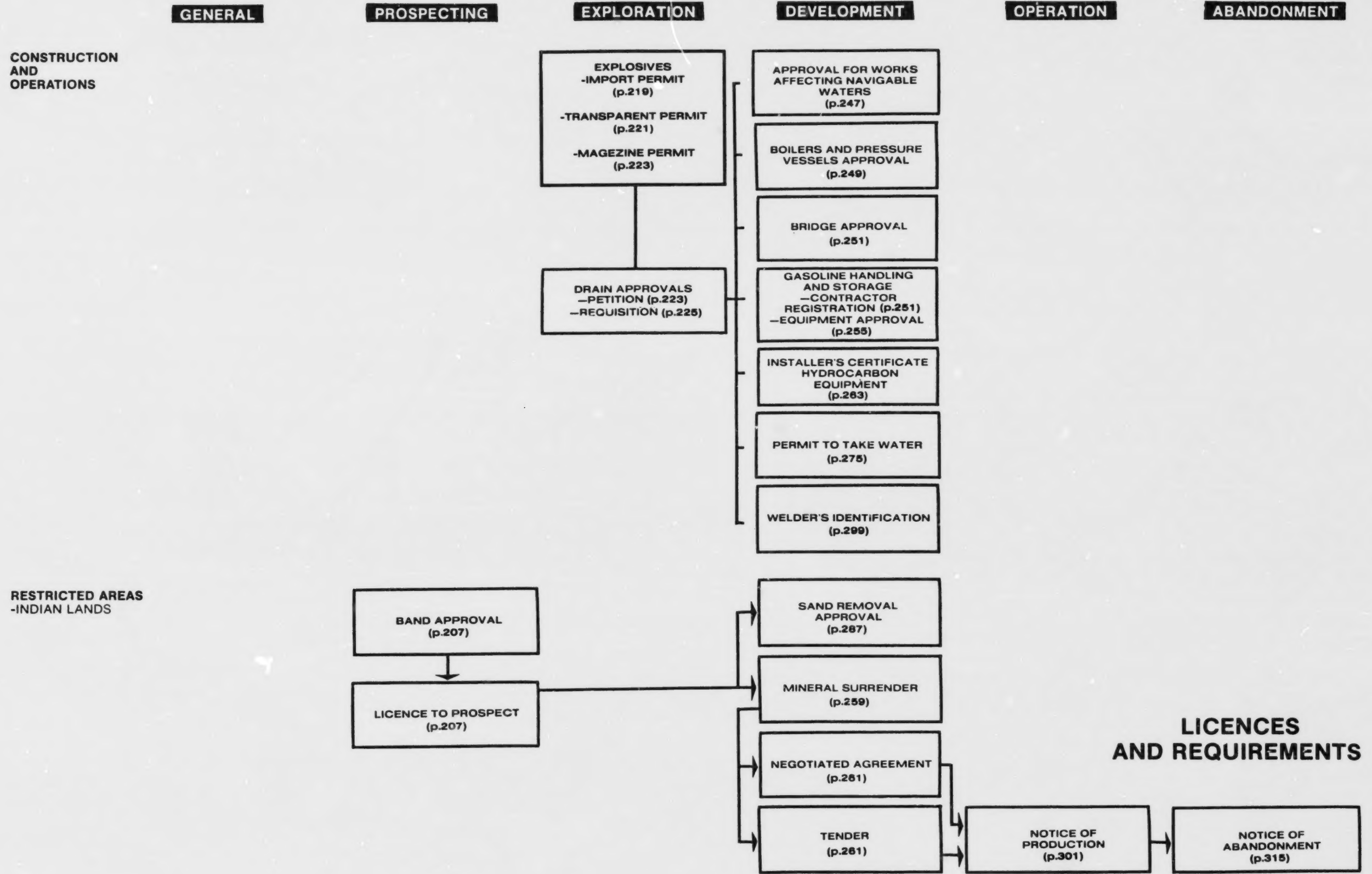
ATION DEVELOPMENT OPERATION ABANDONMENT



**LICENCES
AND REQUIREMENTS**

LICENCES AND REQUIREMENTS

REFERENCE	SECTION	PAGE
	6.1	179





REFERENCE	SECTION	PAGE
MINISTRY OF CONSUMER AND COMMERCIAL RELATIONS (p-81)	6.2	181

SECURITIES ACT

Statute

Director
Ontario Securities Commission
18th Floor
20 Queen Street West
Toronto, Ontario
M5H 3S8
(416) 963-0220

Key Contact

Registration is not required for securities issued by a mining company or a mining exploration company as consideration for mining claims where the vendor enters into such escrow agreement as the Director considers necessary.

**General
Description**

Every escrow agreement for a natural resource company shall be made in accordance with Form 16 of R.R.O. 910/80.

REFERENCE	SECTION	PAGE
		182

FIRA APPLICATION

REFERENCE	SECTION	PAGE
FOREIGN INVESTMENT REVIEW AGENCY (p-167)	6.2	183

FOREIGN INVESTMENT REVIEW ACT**Statute**

1. The Commissioner
Foreign Investment Review Agency
P. O. Box 2800, Station "D"
Ottawa, Ontario
K1P 6A5
2. Compliance Branch
Foreign Investment Review Agency
(613) 996-2728

Key Contacts

The Foreign Investment Review Act requires any foreign person(s) who are planning to acquire control of or to establish a Canadian business, to apply to FIRA for approval.

**General
Description**

The steps in the review process are as follows:

**Order
of Procedure**

- (1) the applicant must make application, on the appropriate form, to the Commissioner;
- (2) the investment proposed is scrutinized by the Compliance Branch to determine whether it should be reviewed and whether or not the form was properly filled out;
- (3) the Assessment Branch, through contact with the applicant and with other Federal departments, evaluates the investment regarding its potential benefit to Canada;
- (4) the application is sent to the appropriate provincial government for its comments;
- (5) the Minister reviews the analysis provided by the Assessment Branch and makes a recommendation; and
- (6) on the basis of the Minister's recommendation and on a summary of the case, the Governor in Council makes a final decision.

There are four forms designed to simplify the application process:

Forms**FIRA 1, "Acquisition of a Business - Short Form"**

- if the gross assets of the acquired

REFERENCE	SECTION	PAGE
FOREIGN INVESTMENT REVIEW AGENCY (p-167)	6.2	184

business are less than \$5 million and there are fewer than 200 employees.

- if a Canadian business is acquired indirectly, through the acquisition of its parent, and acquired business has assets of less than \$15 million and fewer than 600 employees.

FIRA 2, "Establishment of a Business - Short Form"

- if at the end of the second year of operation the new business will have gross assets of less than \$5 million and fewer than 200 employees.

FIRA 3, "Acquisition of a Business"

- for all other acquisitions not covered by FIRA 1.

FIRA 4, "Establishment of a Business"

- for all other new business investments not covered by FIRA 2.

FIRE PERMIT

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-109)	6.2	185

FOREST FIRES PREVENTION ACT**Statute**

District Office
Ministry of Natural Resources

Key Contact

No person shall start a fire outdoors in a designated fire region during a fire season for any purpose other than cooking or obtaining warmth without a fire permit (over).

**General
Description**

A fire permit may be limited as to duration and area but, in any event, it expires with the fire season and may contain such terms and conditions as the issuing officer considers necessary.

Term

It is a condition of a fire permit that:

Conditions

- (1) the person named in the permit keep it at the site of the burning operation conducted under the permit; and
- (2) the person in charge of the burning operation must show the permit to any officer who requests to see it.

REFERENCE	SECTION	PAGE
FIRE PERMIT (CONT'D) (p-175)	6.2	186



Ontario

Ministry of
Natural
Resources

Fire Permit

Part 1 Permittee
Part 2 District Manager
Part 3 Issuer

Under The Forest Fires Prevention Act, and the regulations, and subject to the limitations thereof, and subject also to the terms and conditions herein, this permit is issued to			
Name of permittee in full (use block letters)			
Postal address			Telephone No
To start a fire upon the following lands			
Township		Lot	Concession
Subdivision	Lot	Plan	Mining claim No
Location No	Base map No		Other
for the purpose of: Incinerator ☐ Brush burning ☐ Land clearing ☐			
Other			
from the _____ day of _____, 19____ to and including the _____ day of _____, 19____, subject to the following terms and conditions:			
1 The permittee shall keep the permit at the site of the burning operation conducted under the permit			
2 The person in charge of the burning operation conducted under the permit shall produce and show the permit to any officer whenever requested by that officer.			
3 This permit is not valid between _____ and _____ local time on any day			
4 The amount to be burned at any one time shall not exceed _____ acres _____ piles			
5 All slash and land clearing debris shall be in piles or windrows, separated by a distance of at least _____ feet. Windrows shall be in sections not exceeding _____ feet in length			
6 The permittee shall have at the location of the fire _____ men and firefighting equipment in serviceable condition as follows _____			
7 Other conditions _____			
Place of issue		Date of issue	
Signature of permittee		Signature of issuing officer	
Report Wildfires to _____ or nearest District office			

Form FC. 40 (03/74)

FOREST TRAVEL PERMIT

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-109)	6.2	187

FOREST FIRES PREVENTION ACT

District Office
Ministry of Natural Resources

Statute

Key Contact

No person shall enter and travel about in a restricted travel zone except under the authority of a forest travel permit. The permit expires with the fire season.

**General
Description**

Please forward to
MAPAO by 10th of
following month

FIRM.

YEAR

REFERENCE	SECTION	PAGE
MINES ACCIDENT PREVENTION ASSOCIATION ONTARIO (See opposite page)	6.2	188

[illegible]

**MINES ACCIDENT PREVENTION
ASSOCIATION - STATISTICAL RETURN**

REFERENCE	SECTION	PAGE
MINISTRY OF LABOUR (p-97)	6.2	189

WORKERS' COMPENSATION ACT

Statute

Executive Director
Mines Accident Prevention Association of Ontario
P.O. Box 1468
North Bay, Ontario
P1B 8K6
(705) 472-4140

Key Contact

MAPAO was established for the purpose of motivating the Ontario mining industry to a total commitment to continuing improvement in occupational health and safety.

**General
Description**

Towards this end, the Association carries out research and systematic analyses of jobs, processes and procedures; identifies health and safety hazards; and maintains statistics on health and safety to measure progress within the mining industry.

Mining companies are required to forward to MAPAO by the tenth day of each month, an injury report, (opposite), for the previous month.

REFERENCE	SECTION	PAGE
	6.2	190

PROSPECTUS

REFERENCE	SECTION	PAGE
MINISTRY OF CONSUMER AND COMMERCIAL RELATIONS (p-81)	6.2	191

SECURITIES ACT

Statute

Director
Ontario Securities Commission
18th Floor
20 Queen Street West
Toronto, Ontario
M5H 3S8
(416) 963-0220

Key Contact

No person shall trade in a security unless a preliminary prospectus and prospectus have been filed with the Director of the Ontario Securities Commission. An Exchange Offering Prospectus is required when a distribution through the facilities of the Toronto Stock Exchange is contemplated.

General
Description

The form of Exchange Offering Prospectus for a natural resource company must be in the form shown on the following pages. Circular No. 5 of the Toronto Stock Exchange describes the following filing procedure:

Filing
Procedure

- (1) financial information, prepared in compliance with the requirements of the Commission with respect to financial disclosure as set forth in the Regulation, will form a part of the Exchange Offering Prospectus;
- (2) twelve copies of the preliminary Exchange Offering Prospectus shall be filed with the Exchange at the same time as copies are filed with the Commission in accordance with item 15 of Policy Statement 5.1 of the Commission;
- (3) the Ruling requires that a preliminary Exchange Offering Prospectus not be distributed without the prior consent of the Exchange. An issue filing a preliminary Exchange Offering Prospectus shall be deemed to consent to this bar against distribution;
- (4) with respect to the Exchange Offering Prospectus of a natural resource company, the applicant should refer to sections 23, 24, 25 and 60 of the Regulation and to relevant Commission policies as to an engineer's or geologist's report accompanying the Prospectus. The consent of the engineer or geologist to reproduction of a report summary as a part of the Prospectus should be filed with the Prospectus;

REFERENCE	SECTION	PAGE
MINISTRY OF CONSUMER AND COMMERCIAL RELATIONS (p-81)	6.2	192

PROSPECTUS (CONT'D)

Filing Procedure (cont'd)

- (5) whenever the Regulation requires the filing of additional or subsequent information with the Commission, the same information should be filed with the Exchange;
- (6) the preliminary and final Exchange Offering Prospectus will be reviewed by staff of the Commission and by the Listings & Distributions Division of the Exchange;
- (7) if a final receipt for the Exchange Offering Prospectus is issued by the Director of the Commission and if the Prospectus is accepted for filing by the Exchange, the Prospectus will be printed by the applicant and distributed by the applicant or a member of the Exchange acting for the applicant. It will contain all material information except, in the case of additional distributions, the offering price although the method of computing such price must be stated. The Prospectus will be distributed by the applicant or the member to all Exchange members and also to all persons and companies subscribing to the issue through the member(s) acting for the applicant. Additional copies must be available from the applicant or the member;
- (8) the ruling requires that every member of the Exchange who, acting as an agent of the purchaser, receives an order or subscription for a security offered by Exchange Offering Prospectus shall, unless it has been done previously, send by prepaid mail or deliver to the purchaser the Prospectus and any amendment to the Prospectus either before entering into an agreement of purchase and sale resulting from the order or subscription or not later than midnight on the second day, exclusive of Saturday, Sunday, and holidays, after entering into such agreement; and
- (9) the applicant will be advised of the number of completed copies which should be filed with the Exchange.

REFERENCE	SECTION	PAGE
PROSPECTUS (CONT'D)	6.2	193

FORM 14 A
EXCHANGE OFFERING PROSPECTUS
NATURAL RESOURCE ISSUER

Neither the Ontario Securities Commission nor The Toronto Stock Exchange has in any way passed upon the merits of the securities offered hereunder and any representation to the contrary is an offence.

ONTARIO SECURITIES COMMISSION
THE TORONTO STOCK EXCHANGE

(address of head office and principal office of issuer)

EXCHANGE OFFERING PROSPECTUS
NATURAL RESOURCE ISSUER

Cover Page: Briefly set out the terms and conditions of the offer and describe the procedure by which the securities are to be distributed. State any conditions under which the offer would be withdrawn. Disclose how the pricing of the offer was or is to be established, whether by negotiation with an underwriter, arbitrarily by the issuer or otherwise.

Where appropriate to a clear understanding by investors of the risk factors and speculative nature of the enterprise or the securities being offered, make an introductory statement summarizing the factors which make the purchase a risk or speculation. Include such matters as the pro forma dilution of the investment based on net tangible assets, a comparison, in percentages, of the securities being offered for cash and those issued or to be issued to promoters, insiders and underwriters for cash, property or services and whether there is little probability of profit. The information may be given in the body of the prospectus if an appropriate reference is made on the cover page to the risks and the speculative or promotional nature of the enterprise and a cross-reference is made to the place in the prospectus where the information is contained.

REFERENCE	SECTION	PAGE
PROSPECTUS (CONT'D)	6.2	194

Item

1. Set out the description, designation and number of securities being offered by the issuer or selling security holder. If any of the securities being offered are to be offered for the account of a selling security holder, name the security holder and state the number of securities owned by him, the number to be offered for his account and the number to be owned by him after the offering. State the date the security holder acquired the securities and the cost to him in aggregate and on a per security basis. State that the securities of the selling security holder will not be sold until distribution of the issuer's securities is completed.

INSTRUCTION: The instructions set out in Form 14 to the Regulation to the Securities Act of Ontario as to the information therein required may be used for guidance in interpreting the information requirements of the items herein.
2. (i) Set out the distribution price, underwriter discounts or commissions and the estimated net proceeds to the issuer or selling security holder, on both a per security and an aggregate basis. If it is not possible to state the distribution price or the underwriter discounts or commissions, the method by which they are to be determined shall be explained. State the portion of the expenses of distribution to be borne by any selling security holder. State any conditions under which the offer would be withdrawn. Give the range of the market price during the previous ninety days, if applicable.

(ii) Outline briefly the manner in which the securities being offered are to be distributed, giving particulars of any outstanding or proposed underwriting or option agreement, including the name and address of each underwriter or optionee. Give similar particulars of sub-underwriting or sub-option agreements outstanding or proposed to be given and particulars of any assignments or proposed assignments of any such agreements. Set out any other underwriter compensation. Disclose any intention to stabilize the market during the distribution.

(iii) Give the name and address of any person or company who beneficially owns, directly or indirectly, in excess of 10% of the voting securities of any person or company named in answer to item 2(ii) and the number and percentage of voting securities so owned.

(iv) Identify for each underwriter, by name of issuer, the distributions by Exchange Offering Prospectus through the facilities of the Exchange underwritten by it in the previous three years.
3. State the principal purposes for which the estimated net proceeds to be derived by the issuer from the sale of the securities to be offered are intended to be used and the approximate amount intended to be used for each such purpose. If any material amounts of other funds are to be used in conjunction with the proceeds, state the amounts and the sources of such other funds. Specify any unallocated funds that are to be added to working capital.
4. State the full corporate name of the issuer and the address of its head office and principal office. State the laws under which the issuer was incorporated or organized and the date of incorporation or organization. Where the issuer is incorporated, state whether it was incorporated by articles of incorporation or otherwise.
5. Give names, addresses and chief occupations for the past five years of the officers, directors and promoters of the issuer.
6. (i) For each officer, director and promoter of the issuer, state relevant professional or other qualifications, the approximate amount of time the individual intends to devote to the affairs of the company and the nature of the work he expects to do.

(ii) State for each individual named in answer to item 6(i), for a ten year period, all associations with other natural resource companies including the period and nature of the association. State also the aggregate number of these companies the individual was associated with whose charters have been cancelled, whose securities are the subject of a cease trade order or that are dormant and in respect of which an order has been made under Ontario Securities Commission Policy 2.6.
7. State the share and loan capital of the issuer showing in the case of share capital authorized and issued capital. Loan capital for this purpose is defined as indebtedness which may extend beyond one year and secured current liabilities. State the share capital to be outstanding if all securities being issued are sold. State all material attributes and characteristics of the class of security being distributed, including any fashion in which the rights of security holders may be modified. Set out the number of shares subject to rights, options and warrants. If warrants are being offered, state the description and amount of securities covered thereby, the period during which, and the price at which, the warrants are exercisable, and the principal terms and conditions by which they may be exercised.
8. Give particulars of any payments in cash or securities of the issuer made or to be made to a promoter or finder in connection with the proposed offering.
9. (i) Briefly describe the business carried on and intended to be carried on by the issuer and its subsidiaries.

(ii) Give particulars of important properties owned, leased, held under option or operated or presently intended to be owned, leased, held under option or operated by the issuer or any subsidiary thereof. Indicate whether any property is without a known body of commercial ore or reserves or recoverable oil and gas.
10. Give brief particulars of any exploration and development work of the issuer and its subsidiaries during the past year and the results thereof.
11. Give brief particulars of property proposed to be acquired by the issuer or any subsidiary of the issuer or acquired by the issuer or any subsidiary of the issuer within the previous three years, including the name and address of the vendor and the cost or proposed cost thereof to the issuer or any subsidiary. If any such vendor is or was an insider or promoter of the issuer or any subsidiary, or an associate or affiliate of any insider or promoter of the issuer or any subsidiary, so state, indicate the nature of the relationship, and state the vendor's date of acquisition and cost.
12. State the name of any person or company who is or has been a promoter of the issuer or any subsidiary within the preceding two years and, if not disclosed in item 11, the nature and amount of anything of value (including money, property, contracts, options or rights of any kind) received or to be received by each promoter.
13. If the property referred to in item 11 was or is to be paid for by the issuance of securities of the issuer or any subsidiary, give the number of securities of the issuer and any subsidiary issued to or to be issued to the vendor after giving effect to such transaction. Give the number and, if more than 5% of the securities presently outstanding, the percentage of securities of the issuer and any subsidiary owned or to be owned by the vendor after giving effect to the issuance. If the vendor is a company, give the names and addresses of the insiders of the company.
14. Give the number, and if more than 5%, the percentage of the securities of the issuer held in escrow or in pool and a brief statement of the terms of the escrow or pooling agreement. State the date the securities were issued and the consideration received by the issuer.

REFERENCE	SECTION	PAGE
PROSPECTUS (CONT'D)	6.2	195

15. (i) Give the number of securities of each class of voting security of the issuer owned of record or beneficially, directly or indirectly, by each person or company who owns of record, or is known by the issuer or the selling security holder to own beneficially, directly or indirectly, more than 10% of any class of such securities, in each case within thirty days of the date of the prospectus. Show separately whether the securities are owned both of record only, or beneficially only, and show the respective amounts in percentages owned in each such manner.
- (ii) If, to the knowledge of the issuer or the underwriter of the securities being offered, any person or company named in answer to item 15(i) is an associate or affiliate of any other person or company also named, disclose, insofar as known, the material facts of such relationship, including any basis for influence over the issuer enjoyed by the person or company other than the holding of the voting securities of the issuer.
16. Give a brief statement of any material legal proceedings to which the issuer or any of its subsidiaries is a party or of which any of their property is the subject. Make a similar statement as to any such proceedings known to be contemplated.
17. Give the information required by item 22 of Form 14 to the Regulation to the Securities Act of Ontario, and give the aggregate direct remuneration, including amounts for services rendered, paid or payable by the issuer and its subsidiaries during the past year to other insiders of the issuer.
18. Using item 24 of Form 14 as a guide, give brief particulars of all options to purchase securities (other than such as are granted or proposed to be granted to security holders as such on a pro rata basis) outstanding or proposed to be given by the issuer and its subsidiaries to any person or company, naming each such person or company and showing separately all such options outstanding or proposed to be given to the insiders of the issuer and its subsidiaries.
19. State the amount of dividends or other distributions, if any, paid by the issuer during its last three completed financial years preceding the date of the prospectus.
20. For the twelve months preceding the prospectus:
 - (i) State the prices at which securities of the issuer have traded. Give price ranges and volume traded for each of those months.
 - (ii) State the prices at which securities of the issuer have been issued for cash and the number issued at each price. If any of the securities have been issued for services, state the nature and value of the services and give the name and address of the person or company who received the securities.
 - (iii) If any securities have been issued to insiders or their associates, or to employees under a stock option, or where stock options or warrants have been granted to any person or company, indicate to whom and at what price such issues were made or to whom such stock options or warrants were granted.
21. Describe briefly any material interest, direct or indirect, of any of the following persons or companies in any transaction within the three years prior to the date of the prospectus, or in any proposed transaction, which has materially affected or will materially affect the issuer or any of its subsidiaries:
 - (i) any director or senior officer of the issuer;
 - (ii) any security holder named in answer to item 15, and
 - (iii) any associate or affiliate of any of the foregoing persons or companies.
22. In regard to,
 - (i) each director and senior officer of the issuer;
 - (ii) each proposed nominee for election as a director of the issuer; and
 - (iii) each associate or affiliate of any such director, senior officer or proposed nominee, who is or has been indebted to the issuer or its subsidiaries at any time since the beginning of the last completed financial year of the issuer, state the largest aggregate amount of indebtedness outstanding at any time during the last completed financial year, the nature of the indebtedness and of the transaction in which it was incurred, the amount thereof presently outstanding, and the rate of interest paid or charged thereon.
23. Furnish a list of all subsidiaries, other than inactive subsidiaries, of the issuer. As to each such subsidiary, indicate the percentage of voting securities owned by its parent.
24. State the name and address of the auditor of the issuer and the names of the issuer's transfer agents and registrars and the location (by municipalities) of the registers of transfers of each class of share of the issuer.
25. Give the dates of and parties to and the general nature of every material contract entered into by the issuer or any subsidiary within the preceding two years which is still in effect and is not disclosed in the foregoing.
26. Give particulars of any other material facts relating to the securities proposed to be offered and not disclosed pursuant to the foregoing items.

REFERENCE	SECTION	PAGE
	6.2	196

REPORT OF ACCIDENT

REFERENCE	SECTION	PAGE
MINISTRY OF LABOUR (p-95)	6.2	197

OCCUPATIONAL HEALTH AND SAFETY ACT**Statute**

Director
Mining Health and Safety Branch
Ministry of Labour
7th Floor
400 University Avenue
Toronto, Ontario
M7A 1T7
(416) 965-1328

Key Contact**Information
Required**

When a person is killed or critically injured from any cause at the work place, a written report containing the following information must be submitted to the Director within forty-eight hours of the occurrence, containing the following information:

- (a) name and address of employer;
- (b) nature and circumstance of the occurrence and the bodily injury sustained;
- (c) description of the machinery or equipment involved;
- (d) time and place of occurrence;
- (e) name and address of person killed or injured;
- (f) names and address of all witnesses; and
- (g) name and address of physician or surgeon who attended the injured person.

When an accident disables a person and prevents him from performing his usual work, a report must be submitted to the Director within four days of the occurrence.

**WORKERS' COMPENSATION BOARD -
ANNUAL REPORT OF EARNINGS**

REFERENCE	SECTION	PAGE
MINISTRY OF LABOUR (p-97)	62	199

WORKERS' COMPENSATION ACT

Statute

Executive Director
Financial Service Division
32nd Floor
2 Bloor Street East
Toronto, Ontario
M4C 3C3
(416) 965-8660

Key Contact

An employer is required to submit, on an annual basis, a statement (cover page shown on opposite page) of the amount of wages earned by all employees during the past year and an estimate of the amount of wages to be expended during the current year.

**General
Description**

REFERENCE	SECTION	PAGE
REPORT OF ACCIDENT (See opposite page)	6.2	200



**Workers'
Compensation
Board**

**Commission
des accidents
du travail**

2 Bloor Street East
Toronto, Ontario
M4W 3C3

Employer's Report of Accidental Injury or Industrial Disease

● Please see reverse for details. Shaded areas are for W.C.B. use only.

Claim No.		Firm No.		Rate No.		Phone No.	
Firm Name				City/Town		Province	
Address				Postal Code			
Plant, dept., or worksite where employed				Worker Reference No.		Miners Certificate No.	
Last Name		First Name		Sex	Marital Status	Area Code	Phone No.
Address (no., street, apt.)		City/Town		Province		Postal Code	
Date of Employment		Occupation at time of the injury and years of experience in that occupation		Years Exp.		Language Spoken if not English	
Date and hour of accidental injury		Date and hour reported to employer		Name and address of attending physician(s)			

**History of Accidental Injury
or Industrial Disease**

1. What happened to cause the injury?
2. Explain what the worker was doing and the effort involved.
3. Identify the size, weight and type of equipment or materials involved.
4. Describe injury, part of body involved and specify left or right side.
5. Where did the accident occur?
6. What conditions contributed to the accident and what steps have been taken to prevent recurrence?
7. Give the names and addresses of witnesses or persons having knowledge of the injury.

Claim Information

Please answer ALL questions - Explain "Yes" answers at the bottom of this section or attach a letter if necessary.

- | | | | |
|---|--|--|--|
| 1. Is the injured person an owner, spouse of the employer, (sub) contractor or executive of the business? | No ☐ Yes ☐ | 5. At the time of injury, was the worker doing work other than for the purpose of the employer's business? | No ☐ Yes ☐ |
| 2. Did the accident happen outside Ontario? If yes, state Canadian province or country. | No ☐ Yes ☐ | 6. Was there any serious and wilful misconduct involved? | No ☐ Yes ☐ |
| 3. Was anyone not in your employ totally or partially responsible for the accident? | No ☐ Yes ☐ | 7. To your knowledge, has the worker had a previous similar disability? | No ☐ Yes ☐ |
| 4. Do you have any reason to doubt the history of injury? | No ☐ Yes ☐ | 8. Do you have any information that the worker could have returned to work earlier? | No ☐ Yes ☐ |

Earnings and Lost Time Information

1. Will the worker be totally or partially disabled beyond the day of injury?				Date and hour last worked		Date and hour returned to work	
☐ No ☐ Yes - Complete this section 1. If employed less than one week, enter normal day's earnings. \$				Normal working hours on last day worked		Estimate length of time off work	
OR				From m To m		From m To m	
2. If employed for one or more weeks prior to accident, enter earnings up to four weeks.				Enter worker's normal working days by: F - full day W - half day and total weekly pay hours.		S M T W T F S Total	
From day	month	To day	month	Gross Earnings	If the worker worked after the first layoff, please enter dates.		
					From To		
					To m		
Lost time without earnings, give dates and reason.				Enter particulars of any payments, allowances or benefits made, or to be made, for the period of disability.			
Earnings for last day worked				Normal earnings for last day worked			

Authorized Signature

Official Title

Injury	Sta	Injury	Sta	Injury	Sta	Sig	App.
No. E	Ad.	Vol	Cst	Date	T.C.	Mult	

**WORKERS' COMPENSATION BOARD -
REPORT OF ACCIDENT**

REFERENCE	SECTION	PAGE
MINISTRY OF LABOUR (p-97)	62	201

WORKERS' COMPENSATION ACT

Statute

Executive Director
Claims Service Division
18th Floor
2 Bloor Street East
Toronto, Ontario
M4C 3C3
(416) 965-8773

Key Contact

When there is an accident involving an employee and the employee is disabled from earning full wages or requires medical aid, the employer must notify the Workers' Compensation Board of the accident within three days of its occurrence.

**General
Description**

The notification must be in writing and include the following information:

- (a) nature and location of the accident;
- (b) time of its occurrence;
- (c) name and address of employee; and
- (d) name and address of physician or surgeon who attended or is attending the employee for the injury.

The cover of this report form is shown on the opposite page.

REFERENCE	SECTION	PAGE
WORK PERMIT (See opposite page)	6.2	202



Ministry of
Natural
Resources

Work Permit

The Forest Fires Prevention Act

Distribution

- Part 1 - Permittee
2 - File
3 - Field Office
4 - Other

Under The Forest Fires Prevention Act and the regulations, and subject to the limitations thereof and subject also to the terms and conditions herein, this permit is issued to:

Name of Permittee

Post Office Address

To conduct an operation from the _____ day of _____, 19____ to and including the _____ day of _____, 19____, on the following work permit area:

For the purpose of

Subject to the following conditions

1. The Permittee shall keep this permit or a true copy thereof on the work permit area.
2. The person in charge of the operation conducted under this permit shall produce and show this permit or the true copy kept on the work permit area to any officer whenever requested by the officer.
3. Other conditions:

Place of Issue	Date of Issue	Signature of Issuing Officer

Important

Separate authority must be obtained before cutting any timber and before doing any burning.

This permit does not authorize the permittee to carry on operations on privately held land, as such authority can be given only by the owner of the land.

WORK PERMIT

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-109)	6.2	203

FOREST FIRES PREVENTION ACT**Statute**

District Office
Ministry of Natural Resources

Key Contact

No person shall carry on any logging, mining or industrial operation in or within 300 metres of a forest without a work permit (opposite page).

**General
Description**

A work permit may be limited as to duration and area, but, in any event, it expires on the March 31 following the date of issue. The work permit must be kept on the work permit area.

**Terms and
Conditions**

The application process may vary somewhat from one district to another. Nevertheless, the following steps will be involved:

**Order of
Procedure**

- (1) the application (over) is forwarded to the fire control unit in the district;
- (2) the fire control staff will scrutinize the application with regard to fire control, and determine the conditions under which the permit may be issued (this might require a field examination but not usually);
- (3) the application is then circulated to other staff (e.g., Timber, Lands, Fish & Wildlife) to allow the opportunity to determine whether or not the planned work has implications beyond fire control cutting of timber, the building of bridges, etc.);
- (4) when it has been determined that the permit may be issued, it will be prepared with the appropriate conditions spelled out and sent to the applicant. Conditions other than those relating to fire control may be dealt with as an attachment to the permit, in a separate letter to the applicant or, in some cases, as part of the permit.

The time required to process an application will vary depending on the nature of the proposed work and the processing system, but an applicant should plan on a minimum of two weeks. In simple situations, it is possible for the permit to be issued in one day.

REFERENCE	SECTION	PAGE
APPLICATION FOR WORK PERMIT (CONT'D)	6.2	204



Ministry of
Natural
Resources
Ontario

**Application for a Work Permit and
Approval to Commence Cutting
Operations (Notice of Logging)**

Use of the Form
Company or
Individual

Applicant's Instructions
1. Type or Handwrite Form
2. Retain Part 5
3. Forward Parts 1 to 4 to
District Forester

Under **The Forest Fires Prevention Act, The Crown Timber Act, and The Logger's Safety Act**, the regulations thereunder and subject to the limitations thereof, the undersigned applies for a work permit to conduct and approval to commence and gives notice of the following operation.

Applicant	Name		Address		No.	Street	P.O. Box, Or R.R. No.
	Post Office		Phone		Business		Residence
Duration and Type of Operation	Start Date	☐ Logging	☐ Mining	☐ Land Clearing	☐ Industrial	☐ Saw Mill	
	Finish Date	☐ Dam, Bridge, Camp Const'n.	☐ Other				
Licence or Authority No.	Timber Licence	Mining Claim No.	Private Lands		Land Use Permit		Other
	Logging (Acres)	Land Clearing (Acres)	Right of Way (Length & Width)		Other		
Extent of Operation	Species	Pulpwood (Cords)	Sawlog ☐ Cu. Ft. ☐ F.B.M.		Tree Length (Cu. Ft.)		Others
Boundaries of Work Permit Area	Township or Base Map No.		Lot and Concession, Location, Subdivision, or Mining Claim				
	Other (Describe)						
	☐ Shown on Map Attached						
Camp	Location						No. of Employees
Initial Forest Fire Suppression Action	Name of Person Responsible (On Work Site)			Home Address		No.	Street
	Post Office			Telephone - Residence		P.O. Box or R.R. No.	
Supervisor of Operation	Name						
Communication To Permit Area	Phone No.	Radio	From	To	Other		
Heavy Equipment	List Bulldozer Type Equipment on Work Permit Area						
I Certify that the Information Given in this Application is True							
Signature		Title				Date	

198 (1/79)

District Office
Distribute
Parts to

1. Forest Protection Supervisor
2. Chief Ranger
3. Timber Supervisor
4. Safety Officer

PROSPECTOR'S LICENCE

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-117)	6.3	205

MINING ACT**Statute**

Individuals should contact:

Key Contact

Mining Recorder (of applicable Mining Division)
Ministry of Natural Resources

Companies should contact:

Main Office Mining Recorder
Room 2548
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
(416) 965-1322

All individuals and companies operating in Ontario require a prospector's licence to prospect for minerals on Crown lands, or lands where the Crown owns mineral rights.

**General
Description**

The licence expires on March 31 of each year. All individuals and companies holding mining claims must renew their licence to keep claims in good standing.

Timing: 1-2 days



Ontario

Ministry of
Natural
Resources**Application For
Prospector's Licence**
(Company)**The Mining Act**

Application is made under The Mining Act for a Prospector's licence for the licence year beginning April 1, 19____, and the following statements of facts are made in support thereof:

Name of Company: _____

Address of Head Office: _____

Name of President: _____

Address of President: _____

Name of Secretary: _____

Address of Secretary: _____

Place of Incorporation: _____

Capitalization: _____

This application must be signed by an authorized officer of the corporation.

Dated

Day

Month

Year

Signature of Official and Office held: _____

The penalty for making a false statement in this application is \$500.00 or six months imprisonment or both.

REFERENCE	SECTION	PAGE
	6.3	206

BAND APPROVAL ON INDIAN LAND

REFERENCE	SECTION	PAGE
INDIAN AND NORTHERN AFFAIRS (p-169)	6.3	207

INDIAN ACT

Statute

Director, Indian Minerals (East)
Indian and Northern Affairs
1 Front Street West, Suite 302
Toronto, Ontario
M5J 1A4
(416) 369-4622

Key Contact

A mining company must acquire Band approval prior to obtaining the necessary licences and permits. The initial application can be made to the Indian Minerals Office who will subsequently contact the Indian Band, or the Band Council can be contacted directly.

General Description

A prospecting licence may be issued by the Director of Indian Minerals only for lands approved by the Band Council. A mineral surrender [p. 259] is not required as the licence is not exclusive and does not grant any right to minerals.

Prospecting Licence

REFERENCE	SECTION	PAGE
	6.3	208

**MINING CLAIMS -
APPLICATION TO RECORD**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-117)	63	209

MINING ACT

Statute

Mining Recorder (of applicable Mining Division)
Ministry of Natural Resources

Key Contact

To have a mining claim recorded, the prospector must complete the application and certificate shown on the following pages within thirty-one days of staking the claim. A sketch or plan of the mining claim must accompany the application along with the recording fee and prospector's licence.

Application

When a claim has been on record for sixty days or more and the requirements of the act have been met, the recorder shall issue a certificate of record when requested.

**Certificate
of Record**

REFERENCE	SECTION	PAGE
APPLICATION TO RECORD MINING CLAIM (CONT'D)	6.3	211



Ministry of
Natural
Resources

Certificate of Applicant

The Mining Act

The penalty for making a false statement
in this application is \$500 fine or six
months imprisonment or both.

Page 2

I, the undersigned, hereby certify:

1. That I staked out in accordance with the Mining Act the mining claim(s) on the lands described and shown in my application and on the sketch or plan on page 4.
2. That the distances given in my application and sketch or plan are as accurate as they could reasonably be ascertained.
3. That all other statements and particulars herein set forth in the application and shown on the sketch or plan on Page 4 are true and correct.
4. That at the time of staking there was nothing upon the lands to indicate that they were not open to be staked and that I believe they were so open.
5. That the staking is valid and should be recorded.
6. That there are upon the lands staked, no buildings, clearing or improvements for farming or other purposes except as follows and indicated on the sketch or plan on Page 4.

7. Check (a) or (b) but not both:

- (a) ☐ I have affixed the proper tags on the proper posts.
- (b) ☐ I have not affixed the proper tags on the proper posts, and I have not used common posts.

Date

Signature of Applicant

REFERENCE	SECTION	PAGE
APPLICATION TO RECORD MINING CLAIM (CONT'D)	6.3	212

Page 3

Sample Group Sketch

Scale: 1 inch = 1320 feet
(20 chains)

Complete the group sketch on page 4 using this sample as a guide. Where applicable, the items indicated below must be shown in the sketch.

Location of Claims

(Show lot and concession lines and numbers if township is subdivided)

Good Township

Developments
SUCH AS

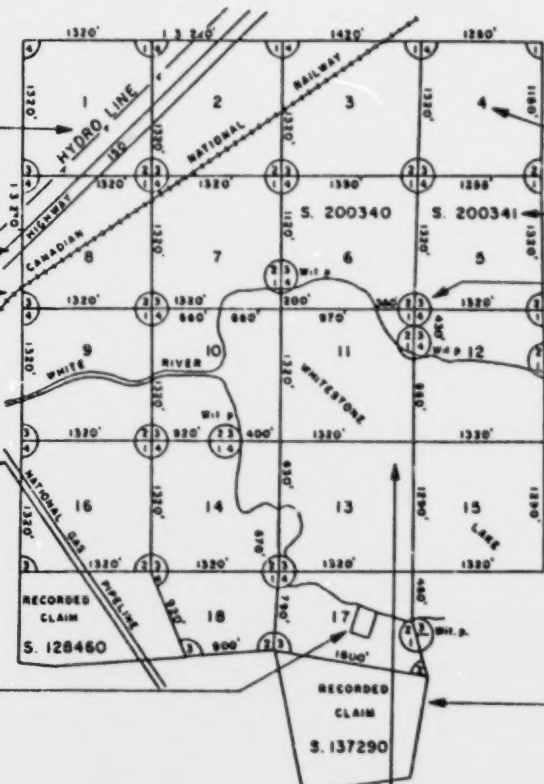
Hydro lines

Highways (and roads)

Railway lines

Pipeline

Summer cottages (or other buildings)



Claim Information
SUCH AS:

Claim line

Group claim number

Tag number if claim is pre-tagged

Post

Common post

Distance

Witness post

Witness distance

Ties to existing claims

Topographic Features
SUCH AS: Lakes, rivers, creeks, ponds, etc.

**LICENCE TO PROSPECT BY
TECHNICAL METHODS**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-118)	6.3	213

MINING ACT

Statute

Mining Recorder (for appropriate Mining Division)
Ministry of Natural Resources

Key Contact

The licence to prospect and explore issues under Section 200 of the Mining Act is an alternative to the normal staking and assessment work procedures and is used in remote areas where the staking is impractical and the terrain cannot be prospected by means other than geophysical or other technical methods. The licence is an agreement between the Ministry and the company which allows the company to prospect and explore an area not larger than 64,000 acres for a period of three years. For areas greater than 64,000 acres, a licence of occupation is issued under sub Section 190(2) [p. 215].

**General
Description**

The terms and conditions of the licence include the following:

**Terms and
Conditions**

- (1) the licence shall be for a term of three years;
- (2) \$1,000 annual fee;
- (3) the area shall be in one parcel and not greater than 64,000 acres;
- (4) the licensee must give thirty days' notice before surrendering the licence;
- (5) a \$25,000 deposit is required to ensure compliance with terms and conditions;
- (6) Minister may terminate licence at any time if terms and conditions are not followed;
- (7) annual exploratory expenditures must exceed \$25,000 or \$1 per acre (whichever is greater).

REFERENCE	SECTION	PAGE
	6.3	214

LICENCE OF OCCUPATION

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-118)	6.3	215

MINING ACT

Statute

Director
Regional Office
Ministry of Natural Resources

Key Contact

Licences of Occupation were issued under the predecessor of the Mining Act in lieu of a freehold grant (i.e., a patent). Under Sub-section 190(2) of the current Act, a licence of occupation may be granted in special circumstances.

General
Description

The following steps are involved in the acquisition of a licence of occupation:

- (1) the Regional Director is contacted by the applicant, who provides a detailed description of the proposed exploration program;
- (2) the terms and conditions of the licence are negotiated between the applicant and the Regional Office;
- (3) a draft agreement is prepared and distributed, for review, to:
 - (a) resident geologist;
 - (b) Regional Mineral Resources Coordinator;
 - (c) Land Management Branch;
 - (d) Mineral Resources Group;
 - (e) Legal Services Branch; and
 - (f) Ministry of the Environment (local branch)
- (4) a second draft is prepared for applicant's approval;
- (5) agreement is approved by the Minister.

Terms and
Conditions

Timing: 4-6 months

REFERENCE	SECTION	PAGE
	6.3	216

**BORING PERMIT
PETROLEUM, NATURAL GAS, COAL AND SALT**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-117)	6.4	217

MINING ACT

Statute

Mining Recorder (for appropriate mining division)
Ministry of Natural Resources

Key Contact

The holder of a prospector's licence may obtain from the Minister the exclusive right, for a period of one year, to prospect for petroleum or natural gas upon an area of land open for prospecting in those parts of Ontario lying north and west of the Mattawa River, Lake Nipissing and the French River.

**General
Description**

The mining recorder must receive an application for the boring permit within thirty-one days of staking. Within ninety days of filing an application, the applicant must forward to the District Office a diagram showing the situation of the lands, a written description of the lands and a fee of \$100.

Application

The area of land included in a boring permit, if in unsurveyed territory, shall be rectangular in form and shall not exceed 640 acres.

Area

The holder of a boring permit must begin work within two months of the issuance of the permit and shall expend not less than \$2.00 per acre in exploration costs.

**Working
Conditions**

REFERENCE	SECTION	PAGE
EXPLOSIVES IMPORTATION PERMIT (See opposite page)	6 4	218



Energy, Mines and
Resources Canada

Energie, Mines et
Ressources Canada

FORM

13

EXPLOSIVES BRANCH

OTTAWA, CANADA
K1A 0E4

FORM OF APPLICATION FOR *GENERAL
OR *ANNUAL EXPLOSIVES IMPORTATION PERMIT

Explosives Act

1. Applicant's Name.

" Cailing.

" Address.

NOTE.—In cases where the application is made on behalf of a Company, the name, business and address of the Company, and the name of the Secretary should be given.

2. Name and description of the explosive proposed to be imported.

3. Amount proposed to be imported at one time.

4. Place of the proposed importation.

Province.

Port or Harbour.

Place of unshipment or trans-shipment.

5. Where proposed to be stored, or how otherwise disposed of.

NOTE.—In the event of the applicant not having a licence for magazines or stores capable of receiving the whole amount to be imported, the application must be accompanied by a certificate from some occupier of a licensed magazine to the effect that he is prepared to receive this amount and store the same. This certificate is required also when the consignment is intended for immediate trans-shipment.

6. Name and address of the manufacturer of the explosive proposed to be imported.

7. From what foreign port or place shipment is expected to be made.

8. Name and address of the consignor of the explosive.

9. Name of the ship or boat in which the importation is to be made.

NOTE.—The information should be given when practicable; where impracticable, state name of importing vessel "not known."

10. Approximate date of arrival of explosive at place of importation

11. Remarks.

THE REPLIES TO BE WRITTEN IN THIS COLUMN

Signature of Applicant

Postal Address of Applicant

Date of Application Telephone No.:

(Area Code)

*If application is for annual permit strike out the word "general" and vice versa.

EXPLOSIVES IMPORTATION PERMIT

REFERENCE	SECTION	PAGE
ENERGY, MINES AND RESOURCES (p-155)	6.4	219

EXPLOSIVES ACT**Statute**

Chief Inspector
Explosives Branch
Department of Energy, Mines and Resources
Wm. Logan Building
580 Booth Street
Ottawa, Ontario
K1A 0E4
(613) 993-7211

Key Contact

No person shall import any explosives into Canada without a permit. There are two types of permits.

**General
Description****(1) General Importation Permit**

- valid for one importation only
- unless revoked earlier, is valid for only 6 months
- \$1.00 permit fee

(2) Annual Importation Permit

- valid for unlimited number of importations until December 31 of the year issued
- \$1.00 permit fee

In most cases, it is local vendors, not mining companies, who import explosives.

Timing: 2-5 days

REFERENCE	SECTION	PAGE
EXPLOSIVES TRANSPORTATION PERMIT (See opposite page)	6.4	220



Energy, Mines and
Resources Canada

Énergie, Mines et
Ressources Canada

EXPLOSIVES BRANCH DIRECTION DES EXPLOSIFS

FORM
FORMULE 18

APPLICATION AND PERMIT TO TRANSPORT EXPLOSIVES
DEMANDE ET PERMIS DE TRANSPORT D'EXPLOSIFS

☐ Original
Originale

☐ Renewal
Renouvellement

PART 1 - TO BE COMPLETED BY APPLICANT - PARTIE 1 - À REMPLIR PAR LE CANDIDAT

Applicant's name - Nom du candidat

Address - Adresse City - Ville

Province/Territory - Province/Territoire Postal Code Postal Téléphone - Téléphone Area - Région

Operating base of vehicle - Base d'opération du véhicule Unit number - Numéro de l'unité

FOR INFORMATION ONLY
POUR RENSEIGNEMENT SEULEMENT

Steel guard plate over rear tires on underside of deck. Plaque d'acier protectrice au-dessus des pneus arrière ou sous la plate-forme. ☐ Yes ☐ No

Is the vehicle covered by public liability and property damage insurance in case of accidents caused by explosive? Le véhicule est-il assuré contre la responsabilité civile et les dommages matériels dans le cas des accidents causés par des explosifs? ☐ Yes ☐ No

VEHICLE - VÉHICULE

Type	Make - Marque	Year - Année	Model - Modèle	Serial number - Numéro de série	Number - Numéro	Year - Année	Province
Truck/Camion * or/on Tractor/Tracteur *							

Gross vehicle weight rating
Poids nominal brut du véhicule
GVWR
PNBV kg³ or/ou lbs³

Gross axle weight rating (front)
Poids nominal brut de l'essieu à l'avant
CAWR (F)
PNBE (AV) kg³ or/ou lbs³

Gross axle weight rating (rear)
Poids nominal brut de l'essieu à l'arrière
CAWR (R)
PNBE (AR) kg³ or/ou lbs³

Weight of unloaded vehicle
Poids du véhicule déchargé kg³ or/ou lbs³

Carrying capacity (Regulation 43(a))
Charge admise (Règlement 43(a)) kg³ or/ou lbs³

80% of carrying capacity
80 % de la charge admise kg³ or/ou lbs³

TIRES - PNEUS

Size - Dimension	Ply rating Nombre de pils	Maximum individual tire load in cold inflation pressure Charge maximale par pneu à pression de gonflage à froid	Number Nombre
Front Avant		kg ³ or/ou lb ³	
Rear Arrière		kg ³ or/ou lb ³	

TOTAL MAXIMUM LOAD - MAXIMUM INDIVIDUAL TIRE LOAD X NUMBER **
CHARGE MAXIMALE TOTALE - CHARGE MAXIMALE PAR PNEU X NOMBRE ** kg³ or/ou lbs³

The undersigned makes application for a permit to transport explosives, certifies that all information given is true and correct and that every driver of this vehicle will be instructed in the provisions of Part VI of Explosives Regulations and in emergency procedures for the explosives being transported.

Je soussigné, soumetts la présente demande de permis de transport d'explosifs, certifie que tous les renseignements donnés sont vrais et exacts et que tout conducteur de ce véhicule recevra la formation sur les clauses de la Partie VI des Règlements sur les explosifs ainsi que les mesures à prendre en cas d'urgence, pour les explosifs transportés.

Signature of applicant or authorized agent
Signature du candidat ou de l'agent autorisé

Date

PART II - TO BE COMPLETED BY DEPARTMENT - PARTIE II - RÉSERVÉE AU MINISTÈRE

The above described applicant may transport the following quantities in the above named vehicle according to the conditions specified below:

Le candidat susnommé peut transporter les quantités suivantes dans le véhicule susmentionné conformément aux conditions stipulées ci-dessous:

Class of explosives (Réglement 5) Classe d'explosifs (Règlement 5)	Truck Camion	Tractor with type A van semi-trailer (See note) Tracteur avec semi-remorque à fourgon type A (Voir note)	Tractor with type B van semi-trailer (See note) Tracteur avec semi-remorque à fourgon type B (Voir note)	Tractor with type A tank semi-trailer (See note) Tracteur avec semi-remorque à ci- terne type A (Voir note)
Classes 1, 2 and 3 Classes 1, 2 et 3	kg ³ or/ou lbs ³	kg ³ or/ou lbs ³	kg ³ or/ou lbs ³	See Regulation 49 Voir Règlement 49
Exclusively of Class 2 Class 2 exclusivement	kg ³ or/ou lbs ³	kg ³ or/ou lbs ³	kg ³ or/ou lbs ³	kg ³ or/ou lbs ³
Classes 1, 2 and 3 over the isolated highways listed in Annex, Classes 1, 2 et 3 sur les routes isolées énu- mérées à l'annexe	kg ³ or/ou lbs ³	kg ³ or/ou lbs ³	kg ³ or/ou lbs ³	
Defence explosives (regu- lation 139(a)) Explosifs de défense (ré- glement 139(a))				

NOTE: Semi-trailer must meet all requirements of Part VI of Explosives Regulations and in addition:

Type A van has dual wheels and tires** on tandem axles

Type B van has dual wheels and tires** on single axle

Type A tank has dual wheels and tires** on tandem axles and meets specification MC 306, 307 or 312

NOTE: Les semi-remorques doivent se conformer aux conditions appropriées de la Partie VI des Règlements sur les explosifs et de plus:

Type A à fourgon a des roues et pneus** jumelés sur des essieux en tandem

Type B à fourgon a des roues et pneus** jumelés sur un essieu simple

Type A à citerne a des roues et pneus** jumelés sur des essieux en tandem et est construit selon la norme MC 306, 307 ou 312

* Strike out whichever is not applicable

** Must equal or exceed GVWR or CAWR as applicable

* Rayez ce qui est inapproprié

** Doit être à poids égal ou supérieur au PNBV ou PNBE tel qu'approprié

Permit number Numéro de permis	Expiry date of expiration Date d'expiration	File number Numéro de référence	Regional Inspector Inspecteur régional	R/CMP Detachment Détachement de la G.R.C.

This permit is issued pursuant to the Explosives Act and Regulations and is subject to cancellation at any time for any breach of the Act or Regulations or of the terms herein or any other terms, conditions or requirements imposed by the Minister from time to time.

Le présent permis est délivré conformément à la Loi et aux Règlements sur les explosifs et de plus il est susceptible d'être annulé en tout temps pour toute infraction à la Loi ou aux Règlements ou aux présentes conditions ou à toute autre modalité condition ou exigence imposée à l'occasion par le Ministre.

Signed for the Minister - Signé pour le Ministre

Date

THIS PERMIT SHALL BE CARRIED AT ALL TIMES IN THE VEHICLE - CE PERMIS DOIT TOUJOURS SE TROUVER DANS LE VÉHICULE

Canada

Please type completing Part I, send all copies to
EXPLOSIVES BRANCH,
OTTAWA, CANADA K1A 0E4

Enclose \$1.00 fee, payable to Receiver General for Canada (except federal and provincial government agencies)

Veuillez remplir la Partie I à la machine, envoyer toutes les copies à la
DIRECTION DES EXPLOSIFS
OTTAWA, CANADA K1A 0E4

Inclure le droit de \$1.00, payable à l'ordre du Receveur général du Canada (sauf les agences gouvernementales, fédérales et provinciales)

EXPLOSIVES TRANSPORTATION PERMIT

REFERENCE	SECTION	PAGE
ENERGY, MINES AND RESOURCES (p-155)	6.4	221

EXPLOSIVES ACT

Statute

Key Contact

Chief Inspector
Explosives Branch
Department of Energy, Mines and Resources
Wm. Logan Building
580 Booth Street
Ottawa, Ontario
K1A 0E4
(613) 993-7211

An Explosives Transportation Permit is required if more than 2000 kg. of explosives are being transported at any one time.

General
Description

Part VI of the Explosives Act regulations stipulate safety requirements for the transportation of explosives.

When a mine purchases explosives from a vendor, as is usually the case, the vendor normally arranges for delivery.

REFERENCE	SECTION	PAGE
	6.4	222

**EXPLOSIVES -
LICENCE FOR A MAGAZINE**

REFERENCE	SECTION	PAGE
MINISTRY OF LABOUR (p-96)	6.4	223

OCCUPATIONAL HEALTH AND SAFETY ACT

Statute

District Engineer
District Mining Health and Safety Office
Ministry of Labour

Key Contact

Explosives kept or stored on the mine site shall be kept or stored in a licensed magazine. An application for a licence shall be made in writing to the District Engineer and shall be accompanied by plans and specifications showing the design and proposed location of the magazine and of all buildings or structures located on the site and on the lands adjacent thereto.

**General
Description**

A magazine in an underground mine must be licensed only if it is being used to store more than 1,360 kilograms of explosives or an amount of explosives equivalent to a supply for more than five working days.

Timing: 2-5 days

REFERENCE	SECTION	PAGE
	6.4	224

LAND USE PERMIT

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-133)	6.4	225

PUBLIC LANDS ACT

Statute

Manager,
District Office
Ministry of Natural Resources

Key Contact

By O. Reg 688/76, the district manager may issue land use permits allowing public lands within his administrative district to be occupied subject to the terms of the Act. These are annual permits.

**General
Description**

If a mining company wishes to acquire temporary access to surface area for uses such as warehousing or construction camps, it may apply for a land use permit under the Public Lands Act.

**Typical
Uses**

REFERENCE	SECTION	PAGE
	6.4	226

NOTICE OF CAMP OPENING

REFERENCE	SECTION	PAGE
MINISTRY OF HEALTH (p-91)	6.4	227

HEALTH PROTECTION AND PROMOTION ACT

Statute

Medical Officer of Health,
Local Health Unit
Ministry of Health

Key Contact

Before a camp intended for living accommodation for five or more employees is used, the employer must send the Medical Officer of Health of the local health unit a report in writing showing:

Information
Required

- (a) name and address of employer;
- (b) camp location;
- (c) number of employees the camp is designed to accommodate;
- (d) means of access to the camp; and
- (e) the nature and duration of the work involved.

Where the camp is intended to accommodate fifteen or more persons, the report must also contain:

Larger
Camps

- (a) a site plan indicating location of buildings;
- (b) sketch plans of the buildings showing facilities for sleeping, washing, bathing, laundering clothes, and storing, preparing and serving food; and
- (c) sources and means of distribution of the camp water supply.

The Medical Officer of Health must be notified of any changes to the above information during the operation of the camp.

REFERENCE	SECTION	PAGE
OMEP-APPLICATION FOR DESIGNATION (See opposite page)	6.4	228



Ministry of
Natural
Resources

Form 1
The Ontario Mineral
Exploration Program Act,
1980

Application for
Designation

Office use only

Instructions
- Please type or print
- Submit completed forms to

OMEP
Room 4649, Whitney Block
Queen's Park, Toronto, Ontario
M7A 1W3

1. Date of Application	
2. Applicant's Identification and Location	
Name	
Address - Street Number and Name, Apt. No., R.R. No.	
City, Town, Village	Province
Telephone No.	
Postal Code	
3. Head Office Location	
Address - Street Number and Name	
City, Town, Village	Province
Telephone No.	
Postal Code	
4. Mailing Address (if different from above)	
Address - Street Number and Name	
City, Town, Village	Province
Telephone No.	
Postal Code	
5. Source of Funding	
Attach copies of Agreements and Proof of Funding	
List Names and Addresses of principals and corporate data (where applicable). Attach list if space is insufficient.	
6. Principal Business Activity	
☐ Public ☐ Private	
7. Ontario Corporations Tax Branch Account Number	Fiscal Year End
8. Directors and Officers	
Attach a list showing position title and name.	
9. Signature of Applicant	Name (print)
Position Title or Occupation	
10. Attach a copy of the latest Annual Report or Prospectus.	

ONTARIO MINERAL EXPLORATION PROGRAM -
APPLICATION FOR DESIGNATION

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-125)	6.4	229

ONTARIO MINERAL EXPLORATION PROGRAM ACT, 1980

Statute

OMEPA Administrator
Ministry of Natural Resources
Room 4649, 99 Wellesley Street West
Toronto, Ontario
M7A 1W3
(416) 965-1062

Key Contact

In each year, a person who proposes to carry out a program of mineral exploration in Ontario may apply to have the program designated by the Minister under the OMEPA Act.

General
Description

The actual designation of a program under this Act is not a complicated process. However, delays do occur as applicants fail to provide adequate information or to meet the requirements. In addition to completing the required form (front cover shown on opposite page) the applicant must provide:

Application

- (1) proof of funding,
- (2) claim map showing property outline,
- (3) brief explanation of the proposed program, and
- (4) property title (or agreement with title holder).

The application is reviewed by the OMEPA Administrator who may request additional information as required.

A designation is effective only for the remainder of the company's fiscal year. The company must reapply for designation for each fiscal year.

Designation
Period

Timing: 2-3 weeks

ONTARIO MINERAL EXPLORATION PROGRAM -
APPLICATION FOR GRANT

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-125)	6.4	231

ONTARIO MINERAL EXPLORATION PROGRAM ACT, 1980

Statute

OMEP Administrator
Ministry of Natural Resources
Room 4649, 99 Wellesley Street
Toronto, Ontario
M7A 1W3
(416) 965-1062

Key Contact

A person, or company, whose project has been designated [p. 229] under this Act, shall apply, using the prescribed form (over), for a grant under the Ontario Mineral Exploration Program.

General
Description

Once the application form has been submitted to the OMEP Administrator, staff personnel review the information provided before approval is granted. The length of time of the approval process can vary widely. The process can be delayed in the spring, when it is the peak period for applications. As well, delays are created by the failure of applicants to provide all of the required information. In the past, the application process has varied between one and six months.

Timing

REFERENCE	SECTION	PAGE
	6.4	232

PETITION DRAIN APPROVAL

REFERENCE	SECTION	PAGE
MINISTRY OF AGRICULTURE AND FOOD (p-69)	6.4	233

THE DRAINAGE ACT

Office of the Clerk,
Local Municipality

Statute

Key Contact

When a land owner requires drainage and has received the agreement of a majority of owners who hold at least 60% of the acreage affected, the Drainage Act provides a democratic procedure for the construction, improvement and maintenance of drainage works.

General
Description

The order for procedure for a petition drain approval is:

Order of
Procedure

- (1) petition is presented to Clerk of the local Council;
- (2) Council must make a decision within 30 days;
- (3) if Council decides to proceed, an engineer is appointed within 60 days of the decision;
- (4) engineer calls an on-site meeting;
- (5) engineer prepares a report which includes a site plan, a cost/benefit analysis, and a schedule of assessment;
- (6) copies of the report are sent to all owners who are subject to assessment;
- (7) Council holds a meeting;
- (8) owners may add or strike their name from the petition;
- (9) Council may adopt the report if the petition still has sufficient signatures.

The Court of Revision hears appeals on the amount of assessment. The Ontario Drainage Tribunal hears appeals from the Court of Revision and appeals on all technical aspects of a drain.

Timing: 4-6 months

REFERENCE	SECTION	PAGE
	6.4	234

REQUISITION DRAIN APPROVAL

REFERENCE	SECTION	PAGE
MINISTRY OF AGRICULTURE AND FOOD (p-69)	6.4	235

DRAINAGE ACT

Statute

Office of the Clerk,
Local Municipality

Key Contact

When a land owner requires drainage, but is unable to get sufficient agreement for a petition drain approval [p. 233], he may file a requisition with the Clerk. A deposit of \$300 is required. Drainage systems of this type are restricted to a total cost of \$7,500.

General
Description

The order of procedure for obtaining a requisition drain approval is as follows:

Order of
Procedure

- (1) the requisition is filed with the Clerk of the local municipality;
- (2) an engineer is appointed;
- (3) an on-site meeting is called with the affected parties;
- (4) the engineer prepares a preliminary report which includes a cost/benefit analysis and an environmental statement;
- (5) Council calls a meeting of all affected owners;
- (6) the affected owners have the opportunity to file for a petition drain approval [p. 233]. The requisition may also be withdrawn; and
- (7) Council holds a meeting to decide on the requisition.

Timing: up to one year

REFERENCE	SECTION	PAGE
	6.4	236

URANIUM AND THORIUM -
ORE REMOVAL PERMIT

REFERENCE	SECTION	PAGE
ATOMIC ENERGY CONTROL BOARD (p-151)	6.4	237

ATOMIC ENERGY CONTROL ACT

Statute

Manager
Uranium Mines Division
AECB
P.O. Box 1046
Ottawa, Ontario
K1P 5S9
(613) 995-3181

Key Contact

The ore removal permit is usually, but not necessarily, the first stage in licensing a project. The permit is essentially a formality which alerts the AECB to prospective uranium and thorium developments. When the removal of uranium or thorium is expected to exceed 10 kg. in a concentration exceeding .05% grade in a year, a permit is required.

General
Description

Although there is no specific application format to complete, the applicant is required to provide, in a brief report, the following information:

Application

- (a) estimated quantity and grade of ore to be removed;
- (b) standard practice for workers handling the material at the site to provide maximum protection for health and safety;
- (c) description of the storage facilities, including measures to protect against unguarded entry;
- (d) the type of packaging to be used for shipment of the material;
- (e) health and safety measures; and
- (f) contingency measures in case of a spill on the property during shipment.

Acquiring an Ore Removal Permit involves the following steps:

Order of
Procedure

- (1) a letter of application is sent to AECB;

REFERENCE	SECTION	PAGE
ATOMIC ENERGY CONTROL BOARD (p-151)	6.4	238

ATOMIC ENERGY CONTROL ACT (CONT'D)

Order of Procedure (cont'd)

- (2) the AECB responds in writing and outlines all of the information requirements;
- (3) a meeting may be arranged between the AECB and applicant; and
- (4) approval is granted - this is a staff approval, signed by the President or Director-General.

URANIUM AND THORIUM -
UNDERGROUND EXPLORATION PERMIT

REFERENCE	SECTION	PAGE
ATOMIC ENERGY CONTROL BOARD (p-151)	6.4	239

ATOMIC ENERGY CONTROL ACT

Statute

Manager
Uranium Mines Division
AECB
P.O. Box 1046
Ottawa, Ontario
K1P 5S9
(613) 995-3181

Key Contact

An Underground Exploration Permit is required when significant excavation work, surface or underground, is contemplated, and if there is a likelihood of radiation exposure of workers and/or environmental impact.

General
Description

The following information is required for the issuance of the permit:

Information
Requirements

(a) organization

- name, address, type of incorporation
- details of other organizations participating in proposed operations

(b) location

- total area, of property held by applicant
- serial numbers of claims
- site and area maps

(c) project

- duration
- summarize activities done at the site to date
- estimate quantity and quality of ore to be removed
- methodology of extracting samples
- design of ventilation systems
- amount of overburden to be removed and storage location
- amount of dewatering required

REFERENCE	SECTION	PAGE
ATOMIC ENERGY CONTROL BOARD (p-151)	61	240

**URANIUM AND THORIUM -
UNDERGROUND EXPLORATION PERMIT (CONT'D)**

**Information
Requirements
(Cont'd)**

- (d) security
 - measures to be taken to prevent theft, loss or unauthorized use of uranium
- (e) environmental impact overview
 - description of environment prior to disturbance
 - assessment of probable impact of proposed work on the environment
 - description of plans to reduce probable environmental effects

**Public
Information**

The public information procedures defined in Regulatory Document R-2, "Guide to the Conduct of Public Meetings as part of the Public Information Process for Uranium and Thorium Mine-Mill Facilities", must be followed by the proponent. It is important that the proponent be aware of the concerns of members of the local public and that these members are informed of the project.

The order of procedure for the issuance of a permit is:

**Order of
Procedure**

- (1) letter of application is sent to AECB;
- (2) a series of meetings and consultations will take place between the applicant and AECB;
- (3) AECB consults with Federal Ministries of Labour and Environment, and the Provincial Ministries of Natural Resources, Labour and Environment;
- (4) conditions for the permit are established; and
- (5) approval is granted by the President or Director-General.

URANIUM AND THORIUM -
LETTER OF INTENT

REFERENCE	SECTION	PAGE
ATOMIC ENERGY CONTROL BOARD (p-152)	64	241

ATOMIC ENERGY CONTROL ACT

Statute

Manager
Uranium Mines Division
AECB
P.O. Box 1046
Ottawa, Ontario
K1P 5S9
(613) 995-3181

Key Contact

The AECB must be notified in writing of any intent to develop a uranium mine-mill facility. The letter of intent must be sent prior to any formal submission concerning the development of a facility.

General
Description

The letter should indicate, in general terms, the proposed mining and milling methods, location and an outline of the project schedule.

REFERENCE	SECTION	PAGE
	6.4	242

**WASTE DISPOSAL -
APPROVAL OF SITES AND SYSTEMS**

REFERENCE	SECTION	PAGE
MINISTRY OF THE ENVIRONMENT (p-85)	6.4	243

ENVIRONMENTAL PROTECTION ACT

Statute

Director
Regional Office
Ministry of the Environment

Key Contact

The Regional Director must issue a certificate of approval for a person to establish or operate a waste management system or a waste disposal site.

**General
Description**

A waste disposal system is defined as a non-stationary facility - generally used for transporting waste. The Ministry is primarily concerned with the point of destination and ensuring its ability to deal properly with the waste.

Waste disposal sites are defined to include any land or building in which waste is deposited or processed and any equipment required for its treatment and disposal. Waste disposal sites governed by the Act are classified as:

- dumps,
- grinding sites,
- composting sites,
- land fill sites,
- packing and baling sites
- transfer stations, and
- organic soil conditioning sites.

Regulation 309 R.R.O. 1980, as amended, prescribes the standards for solid waste disposal. The purpose of these regulations is to ensure that the sites and systems used to collect, transport and dispose of hauled wastes (other than septic or holding tanks) do not cause environmental degradation. Discharge or removal of toxic or hazardous waste are included under this approval.

Standards

REFERENCE	SECTION	PAGE
MINISTRY OF THE ENVIRONMENT (p-85)	6.4	244

**WASTE DISPOSAL - APPROVAL OF SITES AND SYSTEMS
(CONT'D)**

**Application
Process**

A person wishing to establish a waste disposal site must contact the Regional Office in his area. The Regional Office will provide the applicant with the appropriate application forms and general instructions on support material required. The Environmental Approvals and Project Engineering Branch will review the technical aspects of the application and issue the final approval.

The length of the approval process will vary depending on the complexity of the proposed project and whether or not a public hearing is required. Sites which are designed to serve more than 1,500 people or to handle hazardous waste are required to go through a public hearing.

ANNUAL STATISTICAL RETURNS

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-120)	6.5	245

MINING ACT**Statute**

Supervisor
Mineral Statistics Section
Ministry of Natural Resources
4th Floor, 99 Wellesley Street
Toronto, Ontario
M7A 1W3
(416) 965-0211

Key Contact

The owner, agent or manager of every mine, plant, pit, quarry or other works to which the Mining Act applies, shall, on or before the 31st day of March of every year, send to the Ministry on the prescribed forms a return for the previous year ending on December 31. The census form which a company receives will depend on the company's Standard Industrial Classification.

Census

The form requires information particular to the company's classification as well as:

- the number of persons employed (below and above ground),
- wages paid,
- quantity of minerals dressed, and
- quantity and value of undressed mineral that has been sold, treated or used.

The front cover of the annual census for metal mines is shown on the following page. The census for metal mines in 1983 was 16 pages in total.

Some claim holders will be sent a form for information on physical work and surveys performed in the province during the previous year.

**Exploration
Supplementary
Form**

REFERENCE	SECTION	PAGE
STATISTICAL RETURNS (CONT'D)	6.5	246



Energy, Mines and
Resources Canada
Minéraux

Énergie, Mines et
Ressources Canada
Minéraux

ANNUAL CENSUS OF MINES, QUARRIES AND SAND PITS, 1983

METAL MINES

In all correspondence concerning this questionnaire please refer to the first seven digits in the top line of the mailing address below.

Mailing Address (Please correct if necessary)

Si vous préférez recevoir ce questionnaire en français, veuillez cocher ☐ et retourner à Division des systèmes d'information
Secteur de la politique minière
Énergie, Mines et Ressources
Ottawa, Canada
K1A 0E4

Keep one copy for your file and send two to the relevant agency.

Note that this questionnaire requires data to be reported in metric units. If this is not possible, indicate the units used. Conversion table on page 3.

S.L.C. 0612, 0613, 0614, 0615, 0616, 0619/
S.L.C. 057, 0591, 0592, 0593, 0594, 0595 and 0599 MPS-356.1
Report of operations during the twelve months ended December 31

1.1 AUTHORITY This census is collected under the authority of the federal Resources and Technical Surveys Act, C R-7, R.S.C. 1970 and the Mining Act of the Province concerned.	1.4 EXCHANGE OF INFORMATION In order to avoid duplication of enquiry and to provide consistent statistics, the data in this annual census return will be shared with Statistics Canada and with the provincial mining departments for information relating to establishments located in their respective provinces.								
1.2 REPORTING INSTRUCTIONS The enclosed Reporting Guide is designed to assist in the completion of this report. The instructions are numbered to correspond to the items to which they refer. Thirty days are allowed for the completion and submission of this report. If you do not find it possible to meet this deadline, please advise the appropriate agency listed below. When completed, send copies to the appropriate agency listed below. For respondents in Québec Ministère de l'Énergie et des Ressources Service des statistiques 1620, boulevard de l'Entente Québec, Qué. G1S 4N6 Tel. (418) 643-8184 Manitoba Mineral Resources Division Department of Energy and Mines 989 Century Street Winnipeg, Manitoba R3H 0W4 Tel. (204) 633-9543 Ontario Ministry of Natural Resources Room 4620, Whitney Block Queen's Park Toronto, Ontario, M7A 1W3 Tel. (416) 965-1016 Newfoundland Department of Mines and Energy P.O. Box 4750 95 Bonaventure Avenue St. John's, Newfoundland A1C 5T7 Tel. (709) 737-3197 British Columbia Mining Statistician Ministry of Energy, Mines and Petroleum Resources Victoria, B.C. V8V 1X4 Tel. (604) 387-3787 All other provinces Information Systems Division Mineral Policy Sector Energy, Mines and Resources Ottawa, Ontario, K1A 0E4 Tel. (613) 995-9436	1.5 LOCATION OF THIS ESTABLISHMENT 1.5.1 Has the location of this establishment changed from last year? Yes ☐ No ☐ 1.5.2 Please specify the physical location of this plant e.g. lot 10, concession 6; township, range, etc. _____ _____ _____ 1.5.3 Name of mine or property _____ 1.6 TYPE OF ORGANIZATION (Check one) 1.6.1 Individual Ownership ☐ Partnership ☐ Incorporated Company ☐ Co-operative ☐ 1.6.2 Does this represent a change in organization from your last report? Yes ☐ No ☐ DATE OF CHANGE _____ 19 ____								
1.3 OPERATIONS 1.3.1 Did this establishment operate in the calendar year under review? Yes ☐ No ☐ 1.3.2 Did this establishment go out of business in the year under review? Yes ☐ No ☐ If "Yes", give date _____ and complete this form for the period operated _____ 1.3.3 Did any change in ownership occur during the year under review? Yes ☐ No ☐ If "Yes", give date _____ and provide information for the full reporting year. If this is not possible, provide information for the period operated and give name and address of respondent to contact for balance of information. _____ (name) _____ (address)	1.7 NATURE OF BUSINESS (describe briefly) 1.7.1 _____ Yes ☐ No ☐ 1.7.2 Is this a change from last year? Yes ☐ No ☐ 1.8 HEAD OFFICES AND ANCILLARY UNITS OF MULTI-ESTABLISHMENT FIRMS 1.8.1 Does this establishment have a Canadian Head or Executive Office whose operations can be reported separately? Yes ☐ No ☐ 1.8.2 If "Yes", please give its: 1.8.3 Name _____ 1.8.4 Address _____ 1.8.5 Is this establishment served by any ancillary units that also serve (an) other establishment(s) of your firm? Yes ☐ No ☐ *Data for such units should not be included in this report.								
Authorized person Signature _____ Name (please print or type) _____ Date _____ Title _____ <table border="1" style="width: 100%;"> <tr> <td>Name of person to contact (please print)</td> <td>Address including postal code (if different from mailing address above)</td> <td>Telephone</td> <td>Telex</td> </tr> <tr> <td></td> <td></td> <td>Area code Number</td> <td>Ext.</td> </tr> </table>		Name of person to contact (please print)	Address including postal code (if different from mailing address above)	Telephone	Telex			Area code Number	Ext.
Name of person to contact (please print)	Address including postal code (if different from mailing address above)	Telephone	Telex						
		Area code Number	Ext.						

STANDARD

**NAVIGABLE WATERS -
APPROVAL FOR WORKS**

REFERENCE	SECTION	PAGE
TRANSPORT CANADA (p-171)	6.5	247

NAVIGABLE WATERS PROTECTION ACT

Statute

Regional Manager
Aids and Waterways
Transport Canada

Key Contact

Approval is required for any work affecting navigable waters which is regulated by SOR/70-35 of January 14, 1970, and amended by SOR/84-182 of February 17, 1984.

**General
Description**

The following topics are covered by the regulations:

Regulations

- (a) Buoys and Marks: all works must be marked in an approved manner.
- (b) Equipment and Debris : all tools, equipment, vehicles, temporary structures and parts must be removed at the completion of the works. Also all debris on the water surface or bed shall be removed.
- (c) Dams : all dams shall be maintained with the possible requirement for log chutes. The Minister must be provided with information on flows, water elevations and all plans relating to navigation.
- (d) Exploration and Development : all work for the purpose of exploration or development of natural resources from the waters must be lighted as specified and provided with a reliable sound signal as specified. Identification as specified shall be installed on the work.

The Governor in Council may make regulations concerning fees payable on application for approval and the period of time for which the approval is valid.

The fee for seeking approval of work prior to full compliance with the requirements of the Act is set at \$500.00.

The fee for seeking approval subsequent to the commencement of construction work is set at \$1,000.00.

REFERENCE	SECTION	PAGE
	6.5	248

REFERENCE	SECTION	PAGE
MINISTRY OF CONSUMER AND COMMERCIAL RELATIONS (p-73)	6.5	249

BOILERS AND PRESSURE VESSELS ACT**Statute**

Director
Pressure Vessels Safety Branch
Ministry of Consumer and Commercial Relations
3rd Floor, Shipp Building West Tower
3300 Bloor Street West
Toronto, Ontario
M8X 2X4
(416) 239-9367

Key Contact

Before a boiler or pressure vessel can be operated it must go through a process of design approval and inspection. In brief, the approval process involves the following steps:

**Approval
Process**

- (1) design approval - the designer must submit the design and specifications of the boiler to the chief inspector for approval and registration before fabrication;
- (2) certificate of Inspection - the boiler is inspected during the fabrication and a certificate is issued;
- (3) the boiler is installed;
- (4) the installation is inspected; and
- (5) a certificate of approval is issued to permit operation.

REFERENCE	SECTION	PAGE
	6.5	250

REFERENCE	SECTION	PAGE
MINISTRY OF TRANSPORTATION AND COMMUNICATION (p-143)	6.5	251

BRIDGES ACT

Statute

1. Head, Approvals Section
Ministry of Transportation and Communication
4th Floor, 3501 Dufferin Street
Downsview, Ontario
M3K 1N6
(416) 248-3769
2. District Engineer
District Office
Ministry of Transportation and Communication

The building or altering of bridges on public land requires the approval of the Lieutenant Governor in Council.

**General
Description**

The AASHO code must be adhered to for a bridge plan to be approved. The Ontario Highway Bridge Design Code, currently in draft form, will replace the AASHO Code.

AASHO Code

The Lieutenant Governor in Council may approve work upon receiving:

Approval

- (a) a petition for approval;
- (b) proof that a plan of a bridge or alterations has been deposited with MTC and the proper registry or land titles office; and
- (c) proof that notice of such application has been published for three consecutive weeks in The Ontario Gazette and in two local newspapers.

There is no standard form for submission.

REFERENCE	SECTION	PAGE
	6.5	252

**EMISSION CONTROL -
EQUIPMENT APPROVAL**

REFERENCE	SECTION	PAGE
MINISTRY OF THE ENVIRONMENT (p-85)	6.5	253

ENVIRONMENTAL PROTECTION ACT

Statute

1. Director, Approvals Branch
Ministry of the Environment
5th Floor
40 St. Clair Avenue West
Toronto, Ontario
M4V 1M2
(416) 965-7062

Key Contacts

2. Director
Regional Office
Ministry of the Environment

A certificate of approval must be received from the Minister, under Section 8 of the Act, before any methods or devices to be employed in the prevention or control of emissions are constructed. The application for a certificate is to be supported by plans and specifications of the proposed facilities.

**General
Description**

Certification of all burning equipment is also required. The certificate is required for any equipment installed in the mine or project area for burning garbage, oil, grease or any other material. The burning of vegetation outside of any equipment requires a fire permit under the Forest Fires Prevention Act [p.109].

**Burning
Equipment**

The applicant must first contact the Regional Office in his area for general instructions and to obtain the appropriate application forms. Once the completed application is submitted, the Regional Office will work with the Environmental Approvals and Project Engineering Branch to review the proposal. Approval may take between 4 and 8 weeks, depending on the complexity of the project.

**Order of
Procedure**

REFERENCE	SECTION	PAGE
	6.5	254

**GASOLINE HANDLING AND STORAGE -
EQUIPMENT APPROVAL**

REFERENCE	SECTION	PAGE
MINISTRY OF CONSUMER AND COMMERCIAL RELATIONS (p-77)	6.5	255

GASOLINE HANDLING ACT

Statute

Director
Fuels Safety Branch
Ministry of Consumer and Commercial Relations
4th Floor, Shipp Building West Tower
3300 Bloor Street West
Toronto, Ontario
M8X 2X4
(416) 239-1270

Key Contact

All equipment used for the storage and handling of gasoline must be approved by the Director of the Fuels Safety Branch.

**General
Description**

Approval is normally obtained by certification directly from the CSA, or United Laboratories of Canada with their approval being vetted by the Director of the Fuels Safety Branch.

REFERENCE	SECTION	PAGE
	6.5	256

**GASOLINE HANDLING AND STORAGE -
CONTRACTOR REGISTRATION**

REFERENCE	SECTION	PAGE
MINISTRY OF CONSUMER AND COMMERCIAL RELATIONS (p-77)	6.5	257

GASOLINE HANDLING ACT

Statute

Licensing and Registration Section
Fuels Safety Branch
Ministry of Consumer and Commercial Relations
4th Floor, Shipp Building West Tower
3300 Bloor Street West
Toronto, Ontario
M8X 2X4
(416) 239-1270

Key Contact

Large mining companies that install and repair their own storage tanks must ensure that persons engaged in these activities are registered with the Fuels Safety Branch.

**General
Description**

Registration is accomplished by submission of the required application and a \$60.00 annual fee. The person is normally required to be knowledgeable of the Gasoline Handling Code [p.77].

Smaller mining companies that hire outside contractors to install or repair fuel storage tanks must ensure that the contractor is registered.

REFERENCE	SECTION	PAGE
	6.5	258

**INDIAN LANDS -
MINERAL SURRENDER
AND DEVELOPMENT PERMIT**

REFERENCE	SECTION	PAGE
INDIAN AND NORTHERN AFFAIRS (p-169)	6.5	259

INDIAN ACT

Statute

Director, Indian Minerals (East)
Indian and Northern Affairs
1 Front Street West
Toronto, Ontario
M5J 1A4
(416) 369-4622

Key Contact

Mineral rights are obtained by means of a "mineral surrender". Specific regulations, SOR/68-454, have been drawn up relating to the surrender of minerals underlying Indian Reserve Lands.

**General
Description**

Mineral surrender is not required to obtain a prospecting licence [p.207] but is required to obtain an exploration and development permit or lease.

It is usual to obtain an exploration and development permit for a relatively large tract of land prior to obtaining a mining lease [p.261]. A permit, acquired from the Indian Minerals office, has a term of one year, subject to three extensions of one year each and further extensions, where necessary, to complete exploratory work, provided the person issued the permit has complied with the terms and conditions of his permit. Although the permit prohibits the production of minerals from the permit area, minerals may be removed for testing.

Permits

REFERENCE	SECTION	PAGE
	6.5	260

INDIAN LANDS -
MINING PERMITS AND LEASES

REFERENCE	SECTION	PAGE
INDIAN AND NORTHERN AFFAIRS (p-169)	65	261

INDIAN ACT

Statute

Director, Indian Minerals (East)
Indian and Northern Affairs
1 Front Street West
Toronto, Ontario
M5J 1A4
(416) 369-4622

Key Contact

Prior to acquiring a mining permit under the Indian Mining Regulations, a mining company would have required Band Approval for prospecting [p. 207], and a "mineral surrender" [p. 259].

Permit

Once the mineral surrender procedure is completed, the Regulations provide for the disposition of minerals by either of the following methods:

Disposition
of Minerals

- (1) Negotiation: although standard rates of rental, assessment work and royalty are set out in the regulations, these are subject to negotiation between the Band Council and the mining company. This method provides an opportunity for a wide variety of terms and conditions to be applied to the disposal of minerals.

Approval is granted by a Band Council Resolution which requires a majority vote of the Band electors.

- (2) Public Tender: This method is the least used of the two alternatives. Tenders are invited under a set of terms and conditions. All tenders may be rejected if they are found to be unacceptable.

When a permit is awarded the permit holder is not allowed to begin production. The permit holder must first select an area to lease from the permit area.

Lease

REFERENCE	SECTION	PAGE
INDIAN AND NORTHERN AFFAIRS (p-169)	6.5	262

**INDIAN LANDS -
MINING PERMITS AND LEASES**

**Lease
(cont'd)**

The lease is granted for ten years and may be renewed for an additional ten years. Renewals are subject to the terms and conditions set out in the lease agreement.

Regulation SOR/68-454 specifies rentals, security deposits, royalties and assessment work necessary to retain and obtain extensions to these leases.

INSTALLER'S CERTIFICATE

REFERENCE	SECTION	PAGE
MINISTRY OF CONSUMER AND COMMERCIAL AFFAIRS (p-75)	6.5	263

ENERGY ACT**Statute**

Director
Fuels Safety Branch
Ministry of Consumer and Commercial Relations
4th Floor, Shipp Building West Tower
3300 Bloor Street West
Toronto, Ontario
M7X 2X4
(416) 239-1270

Key Contact

No person shall install, alter, purge, activate, repair, service or remove any equipment employed in the handling of a hydrocarbon unless he is a holder of a certificate for the purpose.

**General
Description**

There are eleven levels or classes of certificates. An individual performing work for a mining company must hold the proper certificate as outlined in O. Reg 825/82 and the CGA Code Book Can 1 B149.2 M80.

REFERENCE	SECTION	PAGE
APPROVAL OF A WORK (See opposite page)	6.5	264



Ministry of
Natural
Resources

Application for Approval of a Work

Instructions:
- Read reverse before completing form.
- Please type or print.

The Lakes and Rivers Improvement Act

Name of Applicant (If agent for owner, show name of company, when applicable.)		Telephone Number ()	
Mailing Address (Street, P.O. Box or R.R. No.)		Post Office	Postal Code

Location of Work Site (and Stream Data, if applicable)

Lot	Conc.	In the Township of	In the County, District or Regional Municipality of
Name of Lake or River (Specify if lake, river, creek, brook, pond, etc.)			
Stream Width (summer) m/ft.	Stream Depth (summer) m/ft.	Streambed Material ☐ Muck ☐ Clay ☐ Silt ☐ Sand ☐ Gravel ☐ Rock	Stream flows continuously 75% of year or more ☐ Yes ☐ No

Ownership of Work Site

Applicant's status with respect to land on which Work is to be located
☐ Part Owner ☐ Owner ☐ Agent for Owner(s) ☐ Lessee

Ownership of Work

Applicant's status with respect to Work
☐ Part Owner ☐ Owner ☐ Agent for Owner(s) ☐ Lessee

Purpose of Work

Water Supply ☐ Domestic ☐ Agricultural ☐ Municipal ☐ Industrial	Recreation (Check either "Private" or "Commercial" and type.) ☐ Private ☐ Com. ☐ Fishing ☐ Hunting ☐ Swimming/Boating
General ☐ Fire Protection ☐ Water Power ☐ Navigation ☐ Wildlife ☐ Landscaping ☐ Fish Hatchery ☐ Flood Control ☐ Erosion Control ☐ Pollution Control ☐ Urban Drainage ☐ Rural Drainage ☐ Water Crossing ☐ Development (Specify) ☐ Other (Specify)	

Description of Proposed Work

Instructions: Complete any of the following items that apply to the Work at the location covered by this application. All measurements should be exact, where possible to determine, otherwise state estimated measurements. Metric measure is preferred. Please indicate which system of measurement you have used. $\rightarrow$		Proposed Construction Start Date
		Measurement System Used ☐ Metric ☐ British (Imperial)
General Description ☐ New ☐ Repair/Alteration ☐ Removal	Construction to be ☐ Permanent ☐ Temporary	Intended Operation of Work ☐ Continuous ☐ Intermittent ☐ Seasonal
Material(s) to be used ☐ Earth-fill ☐ Rock-fill ☐ Concrete ☐ Timber ☐ Steel ☐ Masonry ☐ Other (Specify)		

Dam

Type ☐ Overflow (flow over crest) and/or ☐ Flow through (gate, spillway, etc.)	Height (above streambed) m/ft.	Length m/ft.
---	-----------------------------------	-----------------

Pond

Type ☐ Instream (dam or dugout) ☐ By-pass (diversion) ☐ Connected (diversion - no outflow) ☐ Other (specify)			
Average Length m/ft.	Average Width m/ft.	Area sq. m/ft.	Depth (at deepest point) m/ft.

Diversion

Type of Diversion ☐ Partial ☐ Total	Stream Diverted to: (specify) ☐ Same stream ☐ Other	Pipe Diameter m/ft.	Width m/ft.	Depth m/ft.	Length m/ft.
Avg. Flow (Large diversion) (Small diversion) cu. m/ft. per sec. 1/gal. per sec.	Percentage of streamflow to be diverted	Period(s) of Operation Hrs. per day	from (mo.) to (mo.) Days per yr.		

Channelization

Type of Channelization ☐ Widening ☐ Deepening ☐ Straightening	Width (bottom) m/ft.	Depth m/ft.	Length m/ft.
---	-------------------------	----------------	-----------------

Water Crossing and/or Fill

Type of Crossing ☐ Bridge ☐ Culvert ☐ Causeway	Type of Fill ☐ Dike ☐ Embankment ☐ Retaining Wall ☐ Dock		
Other Type of Crossing or Fill (Please specify)	Height m/ft.	Width m/ft.	Length m/ft.

Attachment(s) to this Application (See reverse, items 1 & 2)

Please check applicable attachments ☐ Location or Survey Plan ☐ Repair description ☐ Alteration description ☐ Removal description ☐ Remarks/Other

Applicant's Statement

I have read and understand the information and conditions appearing on the reverse side of this application.		
Title of Signing Officer if application for a company	Date	Applicant's Signature

**LAKES AND RIVERS -
APPROVAL FOR WORKS**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-115)	6.5	265

Statute

Key Contacts

1. Director
Conservation Authorities and
Water Management Branch
Ministry of Natural Resources
Room 5620, Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
(416) 965-6287
2. District Office
Ministry of Natural Resources

Approval is required for the location and for plans and specifications for any works to be constructed in a lake or river.

Purpose

The complexity of the process for approval will depend on the nature of the work proposed. The order of procedure for simple projects is:

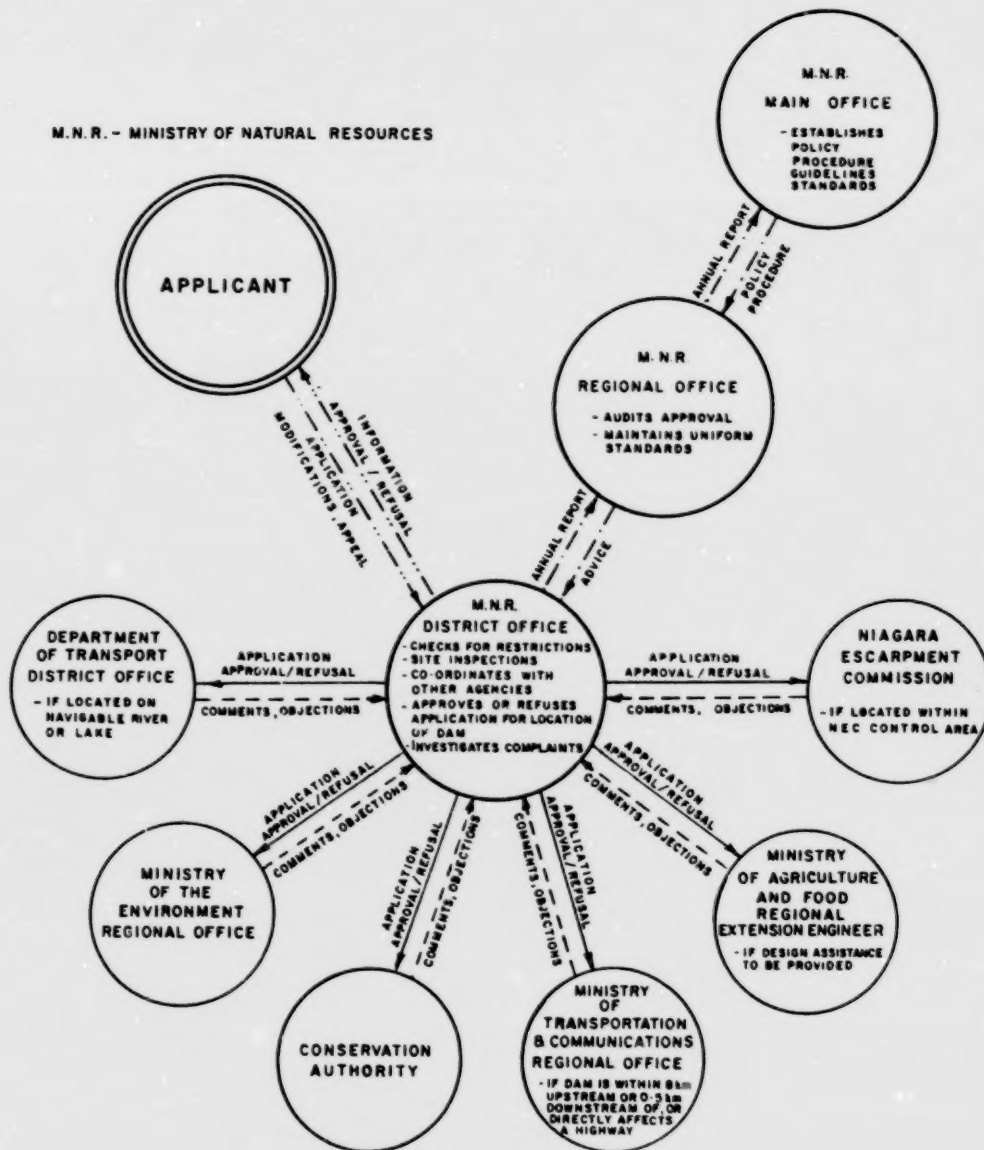
**Order of
Procedure**

- (a) location approval: an application is submitted to the MNR District Office providing general information on the proposed work (see opposite page);
- (b) conditions may be imposed on the proposed project; and
- (c) plan approval: detailed plans, specifications and other relevant documents must then be submitted.

The diagrams on the following pages outline the procedures which could take place in the process of applying for approval of location and plans for larger, complex or controversial works.

REFERENCE	SECTION	PAGE
APPROVAL FOR WORK (CONT'D)	6.5	266

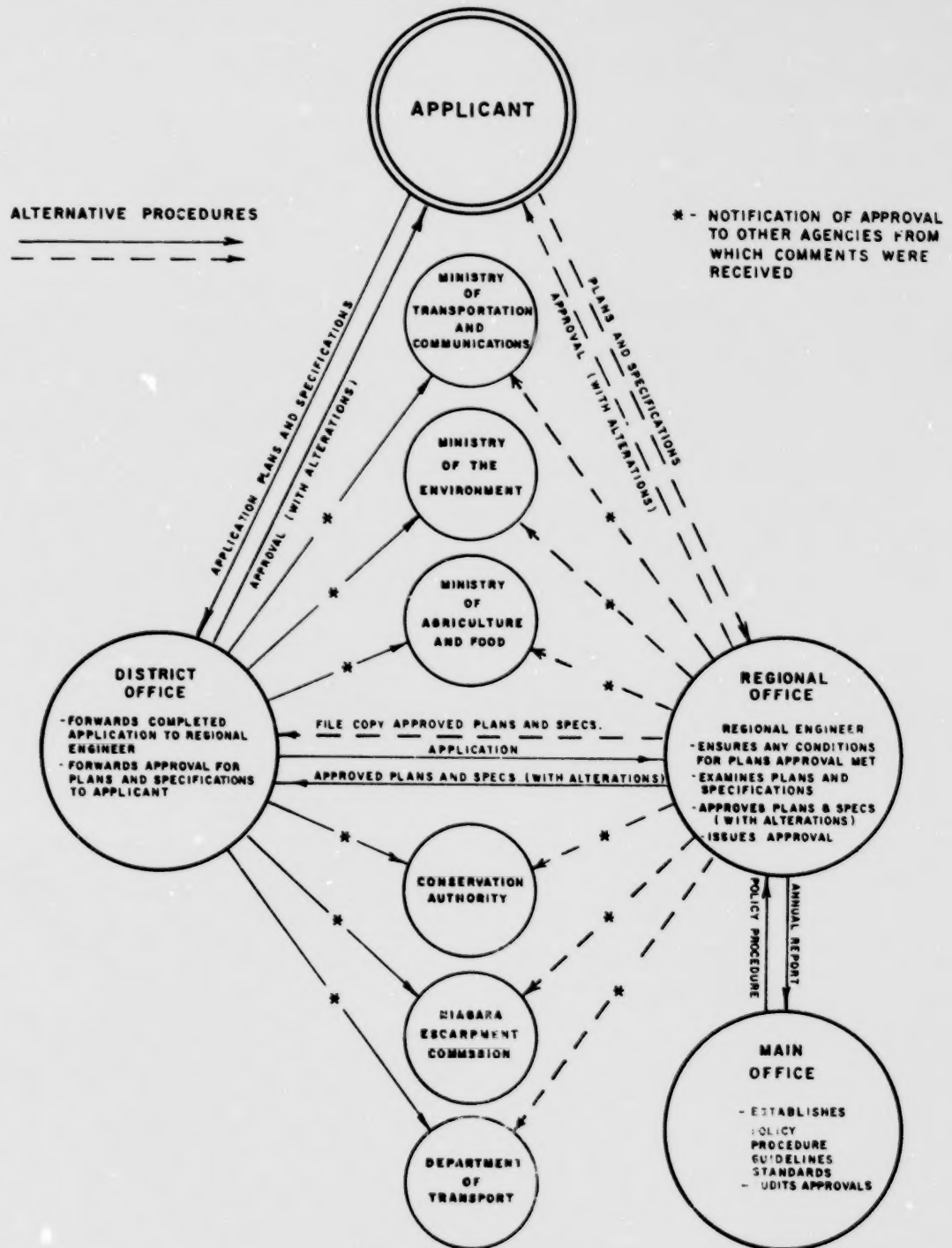
M.N.R. - MINISTRY OF NATURAL RESOURCES



FLOW CHART OF PROCEDURE FOR PROCESSING APPLICATIONS
FOR LOCATION APPROVAL FOR DAMS
UNDER THE
LAKES AND RIVERS IMPROVEMENT ACT

REFERENCE	SECTION	PAGE
APPROVAL FOR WORK (CONT'D)	6.5	267

Page	Procedure	Date Issued
4	ES.3.03.03	1982 02
		New ☐ Revised ☒



FLOW CHART OF PROCEDURE FOR PROCESSING APPLICATIONS
FOR PLANS AND SPECIFICATIONS APPROVAL FOR DAMS
UNDER THE
LAKES AND RIVERS IMPROVEMENT ACT

REFERENCE	SECTION	PAGE
REPORT OF WORK (See opposite page)	6.5	268



Ministry of
Natural
Resources

Report
of Work

Instructions - Supply required data on a separate form for each type of work to be recorded (see table below).
- For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)"

Mining Act

Name and Postal Address of Recorded Holder	Prospector's Licence No.
--	--------------------------

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
For Performance of the following work. (Check one only)	☐ Manual Work								
	☐ Shaft Sinking Drifting or other Lateral Work.								
	☐ Compressed Air, other Power driven or mechanical equip.								
	☐ Power Stripping								
	☐ Diamond or other Core drilling								
	☐ Land Survey								

All the work was performed on Mining Claim(s)

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Date of Report	Recorded Holder or Agent (Signature)

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

Date Certified	Certified by (Signature)
----------------	--------------------------

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angle of holes.		
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

**MINING CLAIM -
REPORT OF WORK AND
APPLICATION FOR LEASE**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-118)	6.5	269

MINING ACT

Statute

1. Mining Recorder (of applicable Mining Division)
Ministry of Natural Resources

Key Contacts

Once a claim has been recorded, there are various conditions of work, as outlined in Sections 76 to 82 of the Act, which must be satisfied to keep the claim in good standing. The recorded holder of a mining claim shall, not later than ten days after each of the periods specified in Section 76 of the Act, make a report on the prescribed form (opposite) as to the work done during the period.

**Report of
Work**

To obtain assessment work credits, the claim holder must submit proof that certain work (e.g., drilling) has been carried out when the report of work is submitted. In the case of geophysical, geochemical and other technical surveys and studies listed on the report of work, provisional work credits may be given. If full technical reports and, in some cases, proof of expenditures are not submitted within 60 days (30 days in the case of stripping by means other than manual labour) of submitting the report of work, the provisional work credits may be reduced.

Upon compliance with the conditions of the Mining Act and upon payment, in advance, of the rent for the first lease year, the holder of a mining claim is entitled to a twenty-one year lease of the claim.

**Right to
Lease**

The application (over) and payment for a lease must be made to the recorder within one year from the date upon which all work on the claim is required to be performed.

Application

The rental payable in advance is \$1 per acre for the first year. The rent for each subsequent year is \$.25 per acre for mining and surface rights and \$.10 per acre for mining regrets only. The minimum rental fee is \$10 for the first year and \$5 for subsequent years.

**MINING CLAIM -
NOTICE OF ABANDONMENT**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-118)	65	271

MINING ACT

Statute

Mining Recorder
Ministry of Natural Resources

Key Contact

Under Section 83 of the Act, a licensee may abandon a mining claim at any time by giving notice in writing to the mining recorder.

**General
Description**

REFERENCE	SECTION	PAGE
	6.5	272

NOTICE OF MINE PLANS

REFERENCE	SECTION	PAGE
MINISTRY OF LABOUR (p-94)	6.5	273

OCCUPATIONAL HEALTH AND SAFETY ACT**Statute**

Director
Mining Health and Safety Branch
Ministry of Labour
7th Floor, 400 University Avenue
Toronto, Ontario
M7A 1T7
(416) 965-1328

Key Contact

The owner of a mine or mining plant must give notice to the Director and furnish him with those drawings, plans and specifications which are required before proceeding with:

**Mine
Plans**

- (a) development, construction or alteration of a mine or mining plant;
- (b) introduction of new process technology;
- (c) major alteration of mining techniques;
- (d) use of new construction methods or installation of equipment;
- (e) design of a system and procedure for the transfer of fuel by gravity from the surface to an underground fuelling station;
- (f) construction of a bulkhead or dam; or
- (g) construction of a tailings dam.

Notices must be posted at each mine or mining plant setting out the name, business address and business telephone of:

**General
Notice**

- (a) the district inspector;
- (b) person in charge of site;
- (c) employer; and
- (d) owner.

Where a mine or mining plant has shut down for more than three months, written notice shall be given to an inspector prior to resumption of operations.

REFERENCE	SECTION	PAGE
	6.5	274

PERMIT TO TAKE WATER

REFERENCE	SECTION	PAGE
MINISTRY OF THE ENVIRONMENT (p-89)	6.5	275

ONTARIO WATER RESOURCES ACT

Statute

Permit or Approvals Evaluator
Regional Office
Ministry of the Environment

Key Contact

A permit is required to take water totalling more than 50,000 litres per day by means of a well, an inlet from a surface source of supply, or by means of a structure or works for the diversion or storage of water.

**General
Description**

The permit is required for the drainage of pits and quarries, as well as the diversion and damming of watercourses, and may be required for mine drainage, water withdrawals for processing and well construction.

Water removal which interferes with any public or private interest may be prohibited by the Ministry.

Application must be made to the MOE Regional Office where all assessment and review work is coordinated. The Regional Office will establish conditions to the permit as are deemed necessary. The permit process usually takes 2-3 weeks to complete.

**Application
Process**

REFERENCE	SECTION	PAGE
PITS AND QUARRIES LICENCE (See opposite page)	6.5	276



Ministry of
Natural
Resources

Application for a Licence to Open, Establish or Operate a Pit or Quarry

Form 1

The Pits and Quarries Control Act, 1971

I,

Name

Address

hereby make application for a licence to open, establish or operate a

(pit or quarry)

for the removal of:

Material

from the lands described as follows:

Lot

Concession

Township

County or District (etc.)

The estimated annual production of the pit or quarry will be

No. of tons

The pit or quarry has been previously operated and the tonnage removed in the last two
years was: (Strike out if not applicable)

No of tons

Note: A detailed site plan providing the information required by subsection 2 or 3 of Section 4 of the Act shall accompany this application.

Signature of Applicant

Title of Signing Officer if a Corporation

Dated this _____ day of _____

19__

Certificate

I hereby certify that the site plan which accompanies this application has been prepared by me.

Signature of Professional Engineer or Ontario Land Surveyor

**PITS AND QUARRIES (ON PRIVATE LAND) -
APPLICATION FOR A LICENCE TO OPEN,
ESTABLISH OR OPERATE**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-127)	6.5	277

PITS AND QUARRIES CONTROL ACT

Statute

Manager
District Office
Ministry of Natural Resources

Key Contact

An application for a licence (shown on opposite page) must be accompanied by a site plan. There are two types of site plan, a "short form" and a "long form". A sample of the "short form", which applies to pits and quarries producing less than 15,000 tonnes per year, is shown on page 279.

**Information
Requirements**

The "long form", for pits and quarries producing in excess of 15,000 tonnes per year, must be certified by a registered professional engineer, an Ontario Land Surveyor, or any other qualified person approved by the Minister.

- (a) the location, true shape, topography, contours, dimensions, acreage and description of the lands set aside for the purposes of the pit or quarry;
- (b) the use of all land and the location and use of all buildings and structures lying within a distance of 150 metres of any of the boundaries of the lands set aside for the purposes of the pit or quarry;
- (c) the location, height, dimensions and use of all buildings or structures existing or proposed to be erected on the lands set aside;
- (d) existing and anticipated final grades of excavation, contours where necessary and excavation set backs;
- (e) drainage provisions;
- (f) all entrances and exits;
- (g) as far as possible, ultimate pit development, progressive and ultimate road plan, any water diversion or storage, location of stockpiles for stripping and products, tree screening and berming, progressive and ultimate rehabilitation and, where possible, intended use and ownership of the land after the extraction operations have ceased;

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-127)	6.5	278

**PITS AND QUARRIES -
APPLICATION FOR A LICENCE TO OPEN, ESTABLISH OR
OPERATE ON PRIVATE LAND**

**Information
Requirements
(cont'd)**

(h) cross-sections, where necessary to show geology, progressive pit development and ultimate rehabilitation; and

(i) such other information as the Minister may require or as is prescribed by the regulations.

No licence will be issued where the proposed site location contravenes municipal by-laws.

**Order of
Procedure**

The order of procedures for obtaining a licence is as follows:

1. application is made to MNR District Office;
2. site is inspected by MNR Pits and Quarries inspector;
3. applicant must advertise his intention to seek a licence;
4. objections must be registered within 45 days of the advertisement; and
5. an objection will require the Minister to refer the matter to the Ontario Municipal Board.

Timing

The length of the licensing process depends on the nature of the proposed operation and the objections raised, if any. A major pit or quarry which is referred to the O.M.B. can take from two to five years to be licensed.

REFERENCE	SECTION	PAGE
PITS AND QUARRIES LICENCE (CONT'D)	6.5	279



Ontario

Ministry of
Natural
Resources

Division of
Mines

Short Form of Site Plan

Form 6

The Pits and Quarries Control Act, 1971

Date operation to begin	Duration of operation
Area of pit or quarry to be worked Acres	Proposed depth of excavation feet

Details of stripping and disposition of stripping

Type of excavation equipment to be used

Proposed final grades of excavation

Proposed excavation set backs from road and property boundaries where applicable

Proposed drainage provisions

Are products to be stockpiled	☐ Yes ☐ No	Duration
-------------------------------	--	----------

REFERENCE	SECTION	PAGE
QUARRY PERMIT (See opposite page)	6.5	280



Ministry of
Natural
Resources

Application for Quarry Permit

The Mining Act

Name		Telephone
Address		
Location of Pit - Lot, Concession, Township or area		
Nature of material		
Amount of material required		Approximate area of Pit
Cubic Yards	Tons	Acres
Removal Operations will commence not later than		19
Purpose or Destination of Material		
Description of Equipment		
Date		Signature of applicant
19		

Note: If pit area is situated within limits of existing Ministry of Transportation and Communications gravel pit or reserve, written consent of that Ministry must accompany this application.

Show Sketch of Pit Area here

Show pit boundaries with distances in Feet and all topography such as lakes, rivers, roads, transmission lines, buildings, etc.

QUARRY PERMIT (ON CROWN LAND)

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-119)	6.5	281

MINING ACT

Statute

Manager
District Office
Ministry of Natural Resources

Key Contact

No person shall take or remove any stone or rock quarried for industrial or commercial purpose, limestone, marble, granite, quartz, feldspar, fluorspar, gypsum, diatomaceous earth, clay, peat, sand or gravel that is the property of the Crown unless he is the holder of a quarry permit.

**General
Description**

The initial application is made to the District Manager of MNR. The District Manager may require the applicant to file a plan of the area in which he desires to operate, indicating the extent and nature of the deposit and the location of any buildings or improvements existing or proposed to be erected on the site.

Application

A quarry permit shall expire on the first anniversary date of its issue, unless otherwise stated in the permit.

Expiry

The holder of a quarry permit shall keep a detailed record of operations which is to be available for inspection by authorized Ministry representatives. On or before the tenth day of each month the permit holder must file a return showing the quantity and destination of material taken or removed during the preceding month.

**Records
and
Returns**

The holder of a permit must pay the Crown for the material taken. The amount is determined by the Minister who will take into consideration the location, type, accessibility of the deposit and the amount of material taken.

Royalty

REFERENCE	SECTION	PAGE
WAYSIDE PITS AND QUARRIES PERMIT (See opposite page)	6.5	282



Ministry of
Natural
Resources
Ontario

Application for a Permit to Open, Establish or Operate Wayside Pit or Quarry

Form 2

The Pits and Quarries Control Act

Location of Pit or Quarry

County or District, etc.	
Township	
Lot	Concession

Applicant

Name
Address

Owner of the property on which the wayside Pit or Quarry is located

Name
Address

Project location

Highway or Road No.	Work Project No.
Contract No.	Work Location
Authority calling work	

Type of material to be removed

☐ earth borrow	☐ sand or gravel	☐ quarried material	☐ new wayside pit or quarry	☐ existing wayside pit or quarry
Previous history of wayside pit or quarry (if any)				

Wayside Pit or Quarry operation

Date Operation to begin	Duration of Operation
Area of wayside pit or quarry to be worked	Proposed depth of excavation
Acres	feet

Details of stripping and disposition of stripping

Estimated quantity of material required
cubic yards or tons

Type of excavation equipment to be used

WAYSIDE PITS AND QUARRIES PERMIT

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-127)	6.5	283

PITS AND QUARRIES CONTROL ACT

Statute

District Manager
District Office
Ministry of Natural Resources

Key Contact

According to Section 12 of the Pits and Quarries Control Act, no person shall open, establish or operate a wayside pit or quarry except under the authority of a permit issued by the Minister. The Minister will set terms and conditions as he considers advisable.

General
Description

The Minister may issue a permit to operate a wayside pit or quarry where:

- (a) the pit and quarry are necessary for the purpose of the contract or project;
- (b) adequate provision can be made as terms and conditions of the permit to ensure a method of operation and adequate rehabilitation so as to constitute only a temporary inconvenience to the public.

A permit issued under Section 12 of the Act expires on the completion of the project or contract, or one year after its issue, whichever occurs first. In the latter case, the Minister may renew the permit for such further period as he considers necessary for the completion of the project or contract.

Expiration

The application for a permit to open, establish or operate a wayside pit or quarry is shown on the opposite page.

REFERENCE	SECTION	PAGE
	6.5	284

**SAND REMOVAL -
LICENCE TO TAKE SAND**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-101)	6.5	285

BEACH PROTECTION ACT

Statute

Manager
District Office
Ministry of Natural Resources

Key Contact

A licence is required for taking sand from the bed, bank, beach shore or waters of any lake, river or stream. The licence applies only to a particular geographical area and will include specific terms and conditions.

**General
Description**

The applicant for a licence to take sand must approach the District Manager and provide written consent of the owner of the land from which material is to be taken, as well as comments from adjacent land owners. Once the initial application is made, the following steps may apply:

**Order of
Procedure**

- (a) the District Manager may request information including: a plan of the area in which the licensee will operate; an indication of the nature and extent of the deposit; the depth of water covering the deposit; and the proposed method of taking sand;
- (b) if appropriate, the District Manager may consult the Ministry of the Environment, the Ministry of Transportation and Communications, the local Municipality, or the local Conservation Authority;
- (c) the Fish and Wildlife Branch, Regional Engineer and Mineral Resources Branch are consulted;
- (d) the site will be inspected;
- (e) if warranted, a security deposit may be requested;
- (f) royalty amount and expiry date (less than five years) are determined; and
- (g) licence is issued.

The holder of a licence to take sand must make a return on or before the tenth of each month, showing the quantity of sand taken during the previous month and providing payment for royalties due.

**Monthly
Return**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-101)	6.5	286

**SAND REMOVAL -
LICENCE TO TAKE SAND (CONT'D)**

Inspections

Licensed areas will be subject to inspections by the District Office as are deemed necessary by the District Manager.

**SAND AND GRAVEL REMOVAL -
PERMIT ON INDIAN LANDS**

REFERENCE	SECTION	PAGE
INDIAN AND NORTHERN AFFAIRS (p-169)	6.5	287

INDIAN ACT

Statute

Director, Indian Minerals (East)
Indian and Northern Affairs
1 Front Street West
Toronto, Ontario
M5J 1A4
(416) 369-4622

Key Contact

A permit is required to take sand, gravel and similar non-metallic substances from Indian lands. The application for such a permit must specify:

**General
Description**

- (a) the volume and quality of sand or gravel to be disposed of;
- (b) the location of the permit; and
- (c) the operational plan.

The document, "Guidelines for the Administration of Non-Renewable Resources such as Sand, Gravel and Clay", provides information on the submission and review of the sand and gravel permit. An agreement must be negotiated with the Band Council before a permit is issued. The agreement will specify payments due for fees and royalties. The agreement will also stipulate conditions for environmental protection during extraction and rehabilitation subsequent to removal.

Guidelines

REFERENCE	SECTION	PAGE
	6.5	288

SEWAGE WORKS APPROVAL

REFERENCE	SECTION	PAGE
MINISTRY OF THE ENVIRONMENT (p-87)	6.5	289

ONTARIO WATER RESOURCES ACT**Statute**

1. Director
Environmental Approvals Branch
5th Floor, 40 St. Clair Avenue West
Toronto, Ontario
M4V 1M2
2. Director
Regional Office
Ministry of the Environment

Key Contacts

No sewage works shall be established, extended or changed in any manner until the plans, specifications and an engineer's report of the works to be undertaken have been approved by the Director.

General Description

In the Act "sewage" includes drainage, storm water, commercial wastes and industrial wastes and any other matter or substance specified by the regulations made under clause 44(1)(i). It is this Act which regulates mine tailings disposal.

Definition

The owner of sewage works shall, whenever required by a Director, make returns to the Director of such matters as determined by him.

Reporting Requirements

The Director may require an industrial or commercial enterprise to construct a sewage facility if it has none, or to improve its facilities if they are considered inadequate.

The applicant must first approach the Regional Director who will, in turn, involve the Environmental Approvals and Project Engineering Branch. Although there is a formal application, each case is examined according to its own situation. The length and complexity of the application process will depend upon the nature and complexity of the proposed project. If a public hearing is required, as it is when a project crosses municipal boundaries, the approval process will be delayed.

Approval Process

REFERENCE	SECTION	PAGE
	6.5	290

**URANIUM AND THORIUM -
SITE, CONSTRUCTION AND DEVELOPMENT
APPROVAL**

REFERENCE	SECTION	PAGE
ATOMIC ENERGY CONTROL BOARD (p-152)	6.5	291

ATOMIC ENERGY CONTROL ACT

Statute

Manager, Uranium Mines Division
AECB
P.O. Box 1046
Ottawa, Ontario
K1P 5S9
(613) 995-3181

Key Contact

Prior to and during the stages of development and construction, approval is required for all site development and construction plans. The review process at this point is very lengthy and complicated. During the initial stages, the conceptual design is reviewed. As the review process continues and development commences more detailed designs are approved.

**General
Description**

A site evaluation report, containing the following information, must be submitted:

**Site
Evaluation
Report**

- (a) general description of mine-mill facility;
- (b) geological and hydrological features of the proposed location for waste facilities;
- (c) an outline of the nature, form and quantity of the radioactive waste involved; and
- (d) description of the engineering structures for storing waste.

Additional information and documentation, related to the overall environment assessment and review, shall be submitted to the agencies and public as designated by the Board. As part of the public information process the proponent may be required to hold a public meeting. If the project is large, the Provincial government may require public hearings, in which case the AECB would participate and consider it to be sufficient.

An important aspect of the site evaluation is the environmental impact assessment. This assessment requires a twelve month period of observation to monitor the environment through all seasons.

**Safety
Reports**

A preliminary safety report must be submitted which contains sufficient detailed information, specifications and supporting data to enable to Board to assess whether the mine-mill and associated radioactive waste facilities are being designed so

REFERENCE	SECTION	PAGE
ATOMIC ENERGY CONTROL BOARD (p-152)	6.5	292

**URANIUM AND THORIUM -
SITE, CONSTRUCTION AND DEVELOPMENT APPROVAL (CONT'D)**

that their construction and operation will conform with health and safety guidelines and criteria for workers and the public pursuant to the requirements laid down in the Atomic Energy Control Regulations and any other applicable legislation.

During the interval between the granting of development approval and the granting of an operating licence, the preliminary safety report shall be revised annually to reflect the progress of design, development and analytical work. Each revision should identify any significant changes in design or intent.

**Waste
Management**

A description of the design, construction and operation of the waste management system, and a detailed scale plan of the waste management area should be submitted with the safety reports. At this stage, a preliminary plan for decommissioning must be outlined.

**Operating
Policies**

A document must be submitted which defines the operating policies and principles that will be instituted by the applicant to ensure a continuing high level of confidence that the facility will be operated in accordance with the appropriate health and safety requirements.

**Order of
Procedure**

The issuance of approval involves the following steps:

- (1) letter of application sent to AECB;
- (2) AECB staff reviews documentation;
- (3) applicant and staff meet to review material;
- (4) consultation with relevant federal and provincial agencies; and
- (5) final review by AECB - the five member Board decides on approval.

The approval will contain provisions requiring the licensee to submit regular reports on the progress of construction. AECB representatives may make visits to the site to ensure compliance with the conditions of the licence.

WATER WELLS - DRILLING LICENCE

REFERENCE	SECTION	PAGE
MINISTRY OF THE ENVIRONMENT (p-87)	6.5	293

ONTARIO WATER RESOURCES ACT

Statute

Key Contact

Supervisor
Ground Water Unit
Water Resources Branch
Ministry of the Environment
3rd Floor, 1 St. Clair Avenue West
Toronto, Ontario
M4V 1K6
(416) 965-6991

Under Regulation 739 (R.R.O. 1980, as amended by O. Reg 160/82), no person shall carry on the business of boring or drilling wells for water unless he is the holder of a licence issued by the Director.

General
Description

Fee

The licence must be renewed annually and there is a fee of \$10.00 for it.

Within one month after the completion of a well, the licensee must file a return with the Director.

Timing: 1-2 weeks

REFERENCE	SECTION	PAGE
	6.5	294

WATER WELL PERMIT

REFERENCE	SECTION	PAGE
MINISTRY OF THE ENVIRONMENT (p-87)	6.5	295

ONTARIO WATER RESOURCES ACT

Statute

Director
Water Resources Branch
Ministry of the Environment
4th Floor, 1 St. Clair Avenue West
Toronto, Ontario
M4V 1K6
(416) 965-6141

Key Contact

No person shall make a well or hole in the ground for the purpose of obtaining water, except by digging, in any area designated by the regulations made under this Act, without a permit issued by the Director.

**General
Description**

At this time, there are no areas designated as such to require a water well permit.

REFERENCE	SECTION	PAGE
	6.5	296

**WATER WORKS -
CERTIFICATE OF APPROVAL**

REFERENCE	SECTION	PAGE
MINISTRY OF THE ENVIRONMENT (p-87)	6.5	297

ONTARIO WATER RESOURCES ACT

Statute

1. Director
Environmental Approvals Branch
Ministry of the Environment
5th Floor, 40 St. Clair Avenue West
Toronto, Ontario
M4V 1M2
(416) 965-7062

Key Contacts

2. Director
Regional Office
Ministry of the Environment

Water works capable of supplying water at a rate of 50,000 litres per day must be approved by the Director. The purpose of this approval is to ensure that facilities for the collection, production, treatment, storage and distribution of water will provide adequate quantity and quality of water.

**General
Description**

Plans, specifications and an engineer's report of the proposed work, as well as any other information that may be required, must be submitted to the Regional Office. The proposal is eventually reviewed and approved by the Environmental Approvals Branch.

Application

REFERENCE	SECTION	PAGE
	6.5	298

WELDER'S IDENTIFICATION CARD

REFERENCE	SECTION	PAGE
MINISTRY OF CONSUMER AND COMMERCIAL RELATIONS (p-73)	6.5	299

BOILERS AND PRESSURE VESSELS ACT**Statute**

Welding Inspector
Pressure Vessels Safety Branch
Ministry of Consumer and Commercial Relations
4th Floor, 3300 Bloor Street West
Toronto, Ontario
M8X 2X4
(416) 239-7796

Key Contacts

No employer shall permit welding by an unqualified individual. There are several different classes or levels of skill, as stipulated in the Act.

**General
Description**

Every welder must pass a qualification test, administered by the chief inspector, to determine his level of skill or class. When a welding operator changes his employer, he must pass further qualification tests for a new identification card. Every welding operator must carry his identification card when welding.

Timing: 2 weeks

REFERENCE	SECTION	PAGE
	6.5	300

**INDIAN LANDS -
NOTICE OF PRODUCTION**

REFERENCE	SECTION	PAGE
INDIAN AND NORTHERN AFFAIRS (p-169)	6.6	301

INDIAN ACT

Statute

Director Indian Minerals (East)
Indian and Northern Affairs
1 Front Street
Toronto, Ontario
M5J 1A4
(416) 369-4622

Key Contact

The Director must be notified within ten days of beginning production. This notification will need to contain supporting information as specified by the Director.

**General
Description**

REFERENCE	SECTION	PAGE
	6.6	302

LIQUID EFFLUENT REPORT

REFERENCE	SECTION	PAGE
ENVIRONMENT CANADA (p-163)	6.6	303

THE FISHERIES ACT

Statute

Regional Director
EPS - Ontario Region
2nd Floor
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5
(416) 369-4622

Key Contact

The Metal Mining Liquid Effluent Regulations (SOR/77-178) require the operator of a mine to send the Regional Director a monthly report within 30 days from the end of the month in respect of which the report is made. The report must contain the following information:

Report
Frequency
and Content

- (a) the arithmetic mean concentrations of deleterious substances;
- (b) the concentrations of deleterious substances in all samples taken to determine the arithmetic mean;
- (c) the pH of all samples; and
- (d) the type of sample collection method used.

In addition to the information specifically required by the regulations, the Minister may request plans which clearly detail the manner in which a mine operator proposes to, or has, constructed facilities to:

- (a) minimize the volume of fresh water required in the operation;
- (b) maximize the recycle and re-use of water;
- (c) minimize the volume of effluent deposited;
- (d) segregate and divert both contaminated and uncontaminated surface drainage; and
- (e) collect and treat contaminated surface drainage, where applicable.

Frequency
of Sampling

New mines must sample and analyze their effluents once a week for the first six months of operation. Depending on the results from the first six months, the frequency may be reduced according to the schedule on the next page.

REFERENCE	SECTION	PAGE
ENVIRONMENT CANADA (p-163)	6.6	304

LIQUID EFFLUENT REPORT (CONT'D)

Frequency of Sampling (cont'd)

Item	Substance	Column I	Column II	Column III
		At Least Weekly If Concentration Is Equal To Or Greater Than	At Least Every Two Weeks If Concentration Is Equal To Or Greater Than	At Least Monthly If Concentration Is Equal to Or Greater Than
1.	Arsenic	0.5 mg/l	0.2 mg/l	0.10 mg/l
2.	Copper	0.3 mg/l	0.1 mg/l	0.05 mg/l
3.	Lead	0.2 mg/l	0.1 mg/l	0.05 mg/l
4.	Nickel	0.5 mg/l	0.2 mg/l	0.10 mg/l
5.	Zinc	0.5 mg/l	0.2 mg/l	0.10 mg/l
6.	Total Suspended Matter	25.0 mg/l	20. mg/l	15. mg/l
7.	Radium 226	10.0 pCi/l	5. pCi/l	2. 5 pCi/l

NOTE: All concentrations given are total values with the exception of Radium 226 which is a dissolved value after filtering the sample through a 3 micron filter. Radium 226 need be measured in only those mines in which there is radioactive ore.

Flow Measurement

The volume of effluent released each month must be measured. Monitoring facilities should be installed and maintained so that periodic monitoring will allow the determination of the volume released.

NOTICE OF ACTIVE OPERATION

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-119)	6.6	305

MINING TAX ACT**Statute**

Mine Assessor
Mineral Resources Group
Ministry of Natural Resources
Room 4649, Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
(416) 965-1062

Key Contact

The operator of every mine shall, within ten days of commencement of active operation, give written notice to the Mine Assessor. No mineral substance may be removed until the Mine Assessor has received the notice.

**General
Description**

REFERENCE	SECTION	PAGE
APPLICATION FOR REFINERY LICENCE (See opposite page)	6.6	306



Ministry of
Natural
Resources
Ontario

APPLICATION FOR
REFINERY LICENCE

PAGE 1 of 2

Name of Applicant _____ Birthdate Of
Applicant _____
(If An Individual)

Address of Applicant _____

Name of Principal Officers of Applicant (If a Corporation)

President _____ Birthdate: _____

Vice-President _____ Birthdate: _____

Head Office Address If Applicant Is A Corporation _____

Telephone (Area Code and No.) _____

Name of Operation _____

Owner Of Refinery (If Other Than Applicant) _____

Refinery Office Address _____

Location of Refinery _____

Name of Refinery Manager _____ Birthdate: _____

Enclosed is an Application Fee of Five Dollars ☐

Number of Licence (if a Licence was issued last year) _____

COMPLETION AND RETURN

This form should be completed in duplicate and returned before the end of
February 198 __ to:

Ministry of Natural Resources
Mineral Resources Branch
Mineral Statistics Section
Room 4620, Whitney Block, Queen's Park
Toronto, Ontario, M7A 1W3

Describe the Refinery Equipment:
(Type, Manufacturer, Model, Capacity)

Purposes for which refinery is used _____

Will the refinery be used for refining any ore, mineral or substance belonging
to any person other than the applicant? If so, give particulars thereof.
(If licensee is in the business of assaying, simply so state.)

I hereby certify that the information provided on this form is complete and
correct to the best of my knowledge and belief.

Date _____

Name

Official Position

Signature

REFINERY LICENCE

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-119)	6.6	307

MINING ACT**Statute**

Supervisor
Mineral Statistics Section
Ministry of Natural Resources
4th Floor
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
(416) 965-0211

Key Contact

Any apparatus or equipment that may be used for the refining, retorting, smelting, assaying or treating of any ore, mineral or substance for the purpose of recovering or determining the quantity of gold, platinum, silver or any other precious metal requires a refinery licence.

**General
Description**

No refinery licence shall be required in respect of a refinery for which a certificate of exemption has been issued.

Every refinery licence and certificate of exemption expires on March 31 and must be renewed annually. There is a \$5.00 application fee for licences. Approval time can vary from two weeks to six months.

Page one of the application form for a refinery licence is shown on the opposite page.

REFERENCE	SECTION	PAGE
	6.6	308

**URANIUM AND THORIUM -
MINING FACILITY OPERATING LICENCE**

REFERENCE	SECTION	PAGE
ATOMIC ENERGY CONTROL BOARD (p-152)	6.6	309

ATOMIC ENERGY CONTROL ACT

Statute

Manager, Uranium Mine Division
AECB
P.O. Box 1046
Ottawa, Ontario
K1P 5S9
(613) 995-3181

Key Contact

The operating of a facility within which the mining and milling of uranium or thorium occurs requires a licence. "Mining" includes activities involved in excavation, removal of ores and storage of ores, and "milling" covers the activities involved in physical concentration of the ore and in the production of concentrates by chemical means. The AECB defines the operation phase as the actual mining and milling activities resulting in the production of "marketable" products.

**General
Description**

The operating licence for a uranium mine-mill facility and associated waste management facilities is not issued until the mine proponent has received all previously required approvals and has conformed to all conditions required by the AECB.

Procedure

This licence requires the approval of the five-member Board, and is subject to an extensive review process involving the Federal Departments of Labour and the Environment, and the Provincial Ministries of Natural Resources, Labour and the Environment.

As a condition of the licence, annual reports must be submitted. These reports are designed to summarize the operation and performance of facilities and highlight any changes in procedures or equipment.

Conditions

The licensee must report any events or information which indicate that the hazards to the health of workers or the public has increased.

Standard performance requirements are outlined in the Atomic Energy Control regulations, including worker exposure limits and effluent release limits.

REFERENCE	SECTION	PAGE
	66	310

NOTICE OF CAMP CLOSING

REFERENCE	SECTION	PAGE
MINISTRY OF HEALTH (p-91)	6.7	311

HEALTH PROTECTION AND PROMOTION ACT**Statute**

Medical Officer of Health
Local Health Unit
Ministry of Health

Key Contact

Section 5 of O. Reg. 193/84 requires the operator of a camp, upon closing the camp, to ensure that the camp is left in a sanitary condition and to notify the medical officer of health or public health inspector.

**General
Description**

REFERENCE	SECTION	PAGE
	6.7	312

NOTICE OF DISCONTINUANCE

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-124)	6.7	313

MINING TAX ACT**Statute**

Mine Assessor
Mineral Resources Group
Ministry of Natural Resources
Room 4649, Whitney Block
99 Wellesley Street West
Toronto, Ontario
M7A 1W3
(416) 965-1062

Key Contact

The operator of every mine must give prompt written notification to the Mine Assessor of every discontinuance of active operation of the mine.

**General
Description**

REFERENCE	SECTION	PAGE
	6.7	314

**NOTICE OF ABANDONMENT FROM
INDIAN LANDS**

REFERENCE	SECTION	PAGE
INDIAN AND NORTHERN AFFAIRS (p-169)	6.7	315

INDIAN ACT

Statute

Director, Indian Minerals (East)
Indian and Northern Affairs
1 Front Street West
Toronto, Ontario
M5J 1A4
(416) 369-4622

Key Contact

The Director must be notified when an exploration permit or mining lease is terminated. The Director must be supplied with information on mine working and mineral content, ancillary facilities and other information.

**General
Description**

REFERENCE	SECTION	PAGE
	6.7	316

**REHABILITATION OF TAILINGS
DISPOSAL AREA**

REFERENCE	SECTION	PAGE
MINISTRY OF NATURAL RESOURCES (p-124)	6.7	317

MINING ACT

Statute

District Engineer
MNR District Office

Key Contact

Section 161 of the Mining Act requires a mine manager to plant and maintain vegetation, or otherwise stabilize, the tailings areas which will not be required for future impoundment of tailings, to the satisfaction of the district engineer. If considered necessary, a bond or security deposit for rehabilitation shall be deposited with the Ministry.

**General
Description**

REFERENCE	SECTION	PAGE
	6.7	318

**APPLICATION FOR APPROVAL
OF SUBDIVISION OF LAND**

REFERENCE	SECTION	PAGE
MINISTRY OF MUNICIPAL AFFAIRS AND HOUSING (p-99)	6.7	319

THE PLANNING ACT, 1983

Statute

Manager, Policy Section
Local Planning Policy Branch
Ministry of Municipal Affairs and Housing
13th Floor - 777 Bay Street
Toronto, Ontario
M5G 2E5
(416) 585-6227

Key Contact

An owner of land may apply to the Minister for approval of a plan of subdivision of his land. In the case of a mining company, this may occur when mining activities have ceased and the company wishes to subdivide the land to allow continued use of homes and facilities.

**General
Description**

The applicant shall provide the Minister with a draft plan of the proposed subdivision drawn to scale and showing:

**Order
of Procedure**

- (a) the boundaries of the land to be subdivided, certified by an Ontario land surveyor;
- (b) the location, widths and names of existing and proposed highways;
- (c) the layout and uses of adjoining land;
- (d) the layout of the proposed lots and the purpose for which they are to be used;
- (e) natural and artificial features on the land proposed to be subdivided;
- (f) the availability and nature of domestic water supplies;
- (g) the nature and porosity of the soil;
- (h) existing contours and elevations;
- (i) municipal services available, or to be available, to the land proposed to be subdivided; and
- (j) the nature and extent of restrictive covenants on the land.

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**URANIUM MINING -
DECOMMISSIONING APPROVAL**

REFERENCE	SECTION	PAGE
ATOMIC ENERGY CONTROL BOARD (p-152)	6.7	321

ATOMIC ENERGY CONTROL ACT

Statute

Manager, Waste Management Division
AECB
P.O. Box 1046
Ottawa, Ontario
K1P 5S9
(613) 995-3181

Key Contact

Approval from the AECB must be obtained prior to the decommissioning of mine-mill facilities. Provisions for decommissioning must be made well in advance of the termination of mining and milling activities.

**General
Description**

Planning for decommissioning begins during the site, construction and development approval process when conceptual schemes are developed. Plans are submitted in more detail during the licensing process for operation. Once a decision has been made to proceed with decommissioning, the AECB must be notified immediately.

**Order
of Procedure**

Details of the actual approval, which is given by the Board, will depend upon the nature of the specific situation. All of the agencies, federal and provincial, which have participated in the licensing process to date, are consulted during the process of approval for decommissioning. The actual decommissioning process itself can take up to five years before the conditions of approval are satisfied and the organization involved is free of its obligations. The performance of the organization is continually monitored to ensure that the conditions of approval are met.

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